Journal of
Applied Polymer Science

Volume 90, 2003

EDITOR

Eric Baer
Dept. of Macromolecular Science
Case Western Reserve University
Cleveland, OH 44106

CO-EDITOR

Anne Hiltner
Dept. of Macromolecular Science
Case Western Reserve University
Cleveland, OH 44106

FOUNDING EDITOR

Herman F. Mark

ASSOCIATE EDITORS

Brian W. Pengilly
430 Delaware Avenue
Akron, OH 44303-1236

David A. Schiraldi
Dept. of Macromolecular Science
Case Western Reserve University
Cleveland, OH 44106

Robert A. Shick
PROMERUS LLC
9921 Brecksville Road
Brecksville, OH 44141-3289

William G. Perkins
130 Johns Avenue
Akron, OH 44303

Mark A. Schubert
Energizer Battery Company
25225 Detroit Road
Westlake, OH 44145

EDITORIAL BOARD

A.-C. Albertsson
T. M. Aminabhavi
A. N. Banerjee
B. M. Baysal
D. Benko
A. Bhowmick
W. Bonfield
G. Capaccio
S. H. Carr
B. J. Chisholm
N. Chung
R. E. Cohen
J. R. Collier
J. M. G. Cowie
A. Crowson
A. M. Cunha
G. W. Ehrenstein
S. El-Aasser
A. Galeski
G. Gillberg
W. Glasser
B. Gupta
D. J. Hourston
A. I. Isayev
S. H. Kandil
J. L. Kardos
J. Karger-Kocsis
B. K. Kim
C. Lacabanne
J. L. Leblanc
A. J. Lesser
K. Mauritz
J. W. Mays
H. E. H. Meijer
R. Miller
P. Molyneux
C. L. Myers
T. Nakagawa
L. Nicolais
R. M. Nowak
E. F. Oleynik
D. R. Paul
N. A. Plate
R. E. Prud'homme
L. Rebenfeld
F. Rodriguez
J. P. Santerre
L. Shi
A. Siegmann
A. W. Snow
B. G. Soares
L. H. Sperling
D. R. Squire
J. Summers
S. C. Tjong
R. Vera-Graziano
I. M. Ward
C. Weder
R. A. Weiss
G. Wilkes
K. J. Wynne

Editorial Production, John Wiley: Michele Azzaretto, Glenn Beck, Sheila Kaminsky, Marc Nadeau

The *Journal of Applied Polymer Science* (Print ISSN 0021-8995; Online ISSN 1097-4628 at Wiley InterScience, www.interscience.wiley.com) is published weekly and semi-weekly in the fourth and fifth weeks of April, the fourth week of November, and the second week of December, four volumes per year, by Wiley Subscription Services, Inc., a Wiley Company, 111 River Street, Hoboken, NJ 07030.

Copyright © 2003 Wiley Periodicals, Inc., a Wiley Company. All rights reserved. No part of this publication may be reproduced in any form or by any means, except as permitted under section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the publisher, or authorization through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (978) 750-8400, fax (978) 750-4470. Periodicals postage paid at Hoboken, NJ, and at additional mailing offices.

The copyright notice appearing at the bottom of the first page of an article in the journal indicates the copyright holder's consent that copies may be made for personal or internal use, or for the personal or internal use of specific clients, on the condition that the copier pay for copying beyond that permitted by Sections 107 and 108 of the U.S. Copyright Law.

This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Such permission requests and other permission inquiries should be addressed to the Permissions Dept.

Subscription price: (Volumes 87–90, 2003) Print only: $14,495.00 in US, $15,055.00 in Canada and Mexico, $15,531.00 rest of world. Electronic only: $14,495.00 worldwide. A combination price of $15,220.00 in US, $15,780.00 in Canada and Mexico, $16,256.00 rest of world, includes the subscription in both electronic and print formats. All subscriptions containing a print element, shipped outside US, will be sent by air. Payment must be made in US dollars drawn on a US bank. Claims for undelivered copies will be accepted only after the following issue has been delivered. Please enclose a copy of the mailing label. Missing copies will be supplied when losses have been sustained in transit and where reserve stock permits. Please allow four weeks for processing a change of address. For subscription inquiries, please contact John Wiley & Sons, Inc., Attn.: Journals Admin. Dept. UK, 111 River Street, Hoboken, NJ 07030; (201) 748-6645 or e-mail: subinfo@wiley.com.

Postmaster: Send address changes to *Journal of Applied Polymer Science,* Subscription Distribution, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030.

Advertising/Sales: Inquiries concerning advertising should be forwarded to the Advertising Sales Manager, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030, (201) 748-8832. Advertising Sales, European Contact: Jackie Sibley, c/o John Wiley & Sons, Ltd., The Atrium, Southern Gate, Chichester, West Sussex PO19 8SQ, England. Tel: 44 1243 770 351; Fax: 44 1243 770 432; e-mail: adsales@ wiley.co.uk.

Reprints: Reprint sales and inquiries should be directed to the Customer Service Department, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030. Tel.: 201-748-8789.

Other Correspondence: Address all other correspondence to: *Journal of Applied Polymer Science,* Publisher, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030.

The contents of this journal are indexed or abstracted in *Chemical Abstracts, Chemical Titles, Chemistry Citation Index, Compendex, Current Contents/Engineering, Computing, and Technology, Current Contents/Physical, Chemical and Earth Sciences, INSPEC, ISI Alerting Services (includes Research Alert), Materials Science Citation Index, Polymer Blends, Alloys & Interpenetrating Polymer Networks Abstracts, Reaction Citation Index, Science Citation Index, SciSearch (also known as Science Citation Index-Expanded), Urethane Abstracts, World Surface Coatings Abstracts,* and *World Textiles.*

This paper meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper). ♾

Journal of Applied Polymer Science

Author Index—Volume 90

Abadie, M. J. M.
—; Novikova, O. O.; Voytekunas, V. Y.; Syromyatnikov, V. G.; Kolendo, A. Y.: Differential Scanning Photocalorimetry Studies of 1,6-Hexanedioldiacrylate Photopolymerization Initiated by Some Organic Azides, 1096
—; See Heba, F., 2834
Abbett, K. F.
—; Teja, A. S.; Kowalik, J.; Tolbert, L.: Iodine Doping of Poly(3-undecylbithiophene) and Its Composites with Polystyrene Using Supercritical Carbon Dioxide, 3876
—; Teja, A. S.; Kowalik, J.; Tolbert, L.: Preparation of Conducting Composites of Polypyrrole Using Supercritical Carbon Dioxide, 1113
Abd El-Rehim, S. S. See Sayyah, S. M., 1783
Abd-El Salam, F.
—; Abd-El Salam, M. H.; Mostafa, M. T.; Nagy, M. R.; Mohamed, M. I.: Effect of the Vulcanizing System on the Mechanical Properties of Butyl Rubber/Ethylene Propylene Diene Monomer–Carbon Black Blends, 1539
Abd-El Salam, M. H. See Abd-El Salam, F., 1539
Abdulkadir, H. K. See Gupta, K. C., 1398
Abhiraman, A. S. See Variankaval, N. E., 1697
Achilias, D. S. See Takidis, G., 841
Acosta, J. L.
—; González, L.; Ojeda, M. C.; del Río, C.: Proton Conducting Materials Based on Thermoplastic Elastomers Silica Composites, 2715
Adhikari, B. See Bhuniya, S., 1497
Adhikari, R.
—; Gunatillake, P. A.; Bown, M.: Effect of Polydimethylsiloxane Macrodiol Molecular Weight on Properties and Morphology of Polyurethane and Polyurethaneurea, 1565
—; See Michler, G. H., 1670
Afiukwa, J. N. See Eboatu, A. N., 1447
Agarwal, N. See Gupte, S. L., 3532
Agnelli, J. A. M. See de Medeiros, E. S., 1678
Ahmad, A. See Pandey, J. K., 1009
Ahn, N.
—; Effects of Diacrylate Monomers on the Bond Strength of Polymer Concrete to Wet Substrates, 991
Ahn, S.
—; White, J. L.: Influence of Carboxylic Acid Additives on the Flow Behavior of Molten Thermoplastics, 1555
Ahn, T. H.
—; Park, Y. H.; Kim, S. H.; Baik, D. H.: Preparation and Characterization of Poly(ether ester) Thermoplastic Elastomers Containing the 2,6-Naphthalenedicarboxyl Group, 3473
Aiad, I.
—; Hafiz, A. A.: Structural Effect of Prepared and Commercial Superplasticizers on Performance of Cement Pastes, 482
Airinei, A. See Racleş, C., 3093
Ait-Kadi, A. See Zhang, Y., 2111, 2120, 2130, 2139
Akcelrud, L. See Robert, R., 3107
Akpuaka, M. U. See Eboatu, A. N., 1447
Aksoy, S. See Yerlikaya, Z., 3260
Alagar, M. See Dinakaran, K., 1596
Al-Bagoury, M.
—; Yaacoub, E.: Semicontinuous Emulsion Copolymerization of 3-*O*-Methacryloyl-1,2:5,6-di-*O*-isopropylidene-α-D-glucofuranose (3-MDG) and Butyl Acrylate (BA). Monomer Feed Addition, 2091
Albertsson, A.-C. See Olander, B., 1378
Allred, J. N. See Jiang, B., 2997
Al-Thabaiti, S. A. See El-Mossalamy, E. H., 3354
Alvarez, V. A.
—; Ruseckaite, R. A.; Vázquez, A.: Kinetic Analysis of Thermal Degradation in Poly(ethylene–vinyl alcohol) Copolymers, 3157
Amarasinghe, G.
—; Chen, F.; Genovese, A.; Shanks, R. A.: Thermal Memory of Polyethylenes Analyzed by Temperature Modulated Differential Scanning Calorimetry, 681
Ameduri, B. See Boutevin, G., 72
Aminabhavi, T. M. See Begum, M., 739; Kittur, A. A., 2441; Kulkarni, S. B., 3100; Kumbar, S. G., 451; Siddaramaiah, 122
An, K. H. See Kim, S. J., 1384, 1389
An, L. See Wen, G., 959
An, Y. See Peng, S., 4054
Anandhan, S.
—; De, P. P.; Bhowmick, A. K.; De, S. K.; Bandyopadhyay, S.: Thermoplastic Elastomeric Blend of Nitrile Rubber and Poly(styrene-co-acrylonitrile). II. Replacement of Nitrile Rubber by Its Vulcanizate Powder, 2348
Anbarasan, R.
—; Jayaseharan, J.; Sudha, M.; Gopalan, A.: Peroxydisulfate Initiated Graft Copolymerization of Aniline onto Poly(propylene) Fiber—A Kinetic Approach, 3827
Anderson, C. D.
—; Sudol, E. D.; El-Aasser, M. S.: Elucidation of the Miniemulsion Stabilization Mechanism and Polymerization Kinetics, 3987
Andersson, L. H. U.
—; Johander, P.; Hjertberg, T.: Silicone Elastomers for Electronic Applications. II. Effects of Noncrosslinked Materials, 3780
Andre, S. See Colomines, G., 2021
Andrieu, X. See Colomines, G., 2021
Anjum, N. See Gupta, B., 149, 3747
Ansarifar, M. A. See Song, M., 3239
Antony, R.
—; Tembe, G. L.; Ravindranathan, M.; Ram, R. N.: Polymer-Supported Palladium(II) Complexes and Their Catalytic Study, 370
Aota, H. See Ikeda, J.-I., 577
Apetroaei, N. See Dumitrascu, N., 1985
Araújo, E. M.
—; Hage, E., Jr.; Carvalho, A. J. F.: Effect of Compatibilizer in Acrylonitrile-Butadiene-Styrene

Toughened Nylon 6 Blends: Ductile–Brittle Transition Temperature, 2643
—; Hage, E., Jr.; Carvalho, A. J. F.: Morphology of Nylon 6/Acrylonitrile–Butadiene–Styrene Blends Compatibilized by a Methyl Methacrylate/Maleic Anhydride Copolymer, 3512
Asano, Y.
—; Nakayama, K.; Yao, S.: Creation of Functional Materials by Use of a Slow Crystallization Process in the Nonequilibrium State. I. Porous Polyamide Microparticles, 2428
Assink, R. A. See Harris, D. J., 2578
Ateş, J. See Usanmaz, A., 251
Atia, K. S.
—; El-Arnaouty, M. B.; Ismail, S. A.; Dessouki, A. M.: Characterization and Application of Immobilized Lipase Enzyme on Different Radiation Grafted Polymeric Films: Assessment of the Immobilization Process Using Spectroscopic Analysis, 155
Avram, E. See Ghimici, L., 465

Bacquet, M. See Ghoul, M., 799
Bagheri, R. See Zebarjad, S. M., 3767
Bai, H. See Li, X.-G., 3631
Bai, R. See Zhang, X., 3973
Baiardo, M.
—; Frisoni, G.; Scandola, M.; Rimelen, M.; Lips, D.; Ruffieux, K.; Wintermantel, E.: Thermal and Mechanical Properties of Plasticized Poly(L-lactic acid), 1731
Baik, D. H. See Ahn, T. H., 3473
Bajpai, R. See Sharma, S., 2703
Balköse, D. See Pehlivan, H., 352, 3069
Baltá-Calleja, F. J. See Michler, G. H., 1670
Banat, R.
—; Tinçer, T.: Study on the Properties of Crosslinking of Poly(ethylene oxide) and Hydroxyapatite–Poly(ethylene oxide) Composite, 488
Bandyopadhyay, D. See Goswami, S., 412
Bandyopadhyay, S. See Anandhan, S., 2348
Bandyopadhyay, S. See Rajeev, R. S., 544
Bao, Y.
—; Liao, J.; Huang, Z.; Weng, Z.: Influences of Individual and Composed Poly(vinyl alcohol) Suspending Agents on Particle Morphology of Suspension Poly(vinyl chloride) Resin, 3848
Bao, Y. Z.
—; Brooks, B. W.: Particle Features of Poly(vinyl chloride) Resins Prepared by a New Heterogeneous Polymerization Process, 954
Bardhan, M. K. See Gurudatt, K., 3536
Barrière, B. See Gagnard, C., 2727
Bartley, J. P. See Xu, J. B., 747
Baruah, S. D. See Sarmah, D., 2721
Basaez, L. See Rivas, B. L., 706
Bayramli, E. See Yerlikaya, Z., 3260
Becker, H. G.
—; Schmidt-Naake, G.: Compatibilization of Polymer Blends from Poly(styrene-*co*-acrylonitrile) and Polycarbonate by Oxazoline Modification of Poly(styrene-*co*-acrylonitrile) in the Melt, 2322
Becker M, Y.
—; Müller, A. J.; Rodriguez, Y.: Use of Rheological Compatibility Criteria to Study SBS Modified Asphalts, 1772
Begum, M.
—; Siddaramaiah; Kumar, H.; Aminabhavi, T. M.: Molecular Transport of n-Alkanes into PU/PBMA Interpenetrating Polymer Network Systems, 739
Behera, A. K. See Patra, M., 2066
Behera, R. K. See Patra, M., 2066
Bejev, A. A. See Kozlov, G. V., 1202
Belviso, S. See Gorrasi, G., 3338
Bernede, J.-C. See Rivas, B. L., 706
Bhattacharya, M.
—; Mani, R.: Properties of Extrusion Cast Sheets of Blends of Natural and Aliphatic Polyesters, 1545
Bhattacharya, S. N. See Cser, F., 3026
Bhawal, S.
—; Dhoble, D.; Devi, S.: Revisiting Emulsion Polymerization to Produce Stable, Translucent, Nanolatex of Partially Water-Soluble Monomers, Ethylacrylate–Methylmethacrylate, 2593
Bhowmick, A. K. See Anandhan, S., 2348; Kader, M. A., 278; Rajeev, R. S., 544; Ray, S., 2453
Bhuniya, S.
—; Adhikari, B.: Toughening of Epoxy Resins by Hydroxy-Terminated, Silicon-Modified Polyurethane Oligomers, 1497
Bikiaris, D. N. See Takidis, G., 841
Bin, L. See Yu, L., 2855
Bin Ahmad, M. See Janarthanan, P., 2053
Bing, W.
—; Jiasen, Z.: Studies on the Preparation of Immersion-Type Polypropylene Fragrant Fiber. II. The Supermolecular Structure of the Matrix Fiber and Its Sorption Properties for Fragrant Molecules, 973
Biswas, M. See Maity, A., 1058
Bitekenova, A. B. See Nurkeeva, Z. S., 137
Blais, J. C. See Chatti, S., 1255
Blumenstock, T.
—; Woicke, N.; Eyerer, P.: Measuring and Modeling the Rheological Data of Diglycidylether of Bisphenol-A During Polymerization for Finite Element Analyses, 1868
Bobovitch, A.
—; Gutman, E.; Henning, S.; Michler, G. H.: Morphology and Stress Relaxation in Oriented Polyolefin Shrink Films, 3424
Bodas, M. See Moharir, A. V., 1453
Boey, F. Y. C. See Xiong, Y., 2229
Bogdal, D. See Chatti, S., 1255
Boiteux, G. See Karabanova, L. V., 1191
Bonagamba, T. J. See Lu, J., 3252
Bonchev, D.
—; Dekmezian, A. H.; Markel, E.; Faldi, A.: Topology–Rheology Regression Models for Monodisperse Linear and Branched Polyethylenes, 2648
Bondarenko, P. A. See Karabanova, L. V., 1191
Bonini, C.
—; D'auria, M.; Ferri, R.; Pucciariello, R.; Sabia, A. R.: Graft Copolymers of Lignin with Electron Poor Alkenes, 1163
Bonnet, A. See Jousseaume, V., 3730
Borcia, G. See Dumitrascu, N., 1985
Borole, D. D.
—; Kapadi, U. R.; Mahulikar, P. P.; Hundiwale, D. G.: Synthesis and Characterization of Conducting Homopolymers and Copolymers of *o*-Anisidine and *o*-Toluidine in Inorganic and Organic Supporting Electrolytes, 2634
Borrós, S. See Folch, I., 497
Bortolussi, M. See Chatti, S., 1255
Boutevin, B. See Boutevin, G., 72; Colomines, G., 2021

Boutevin, G.
—; Robin, J. J.; Boutevin, B.; Ameduri, B.: Synthesis and Thermal Properties of Bismaleate and Bisfumarate Telechelic Oligomers from Hydroxytelechelic Polybutadienes, 72
Bown, M. See Adhikari, R., 1565
Boylan, S.
—; Castro, J. M.: Effect of Reinforcement Type and Length on Physical Properties, Surface Quality, and Cycle Time for Sheet Molding Compound (SMC) Compression Molded Parts, 2557
Bozkurt, A.
—; Ekinci, Ö.; Meyer, W. H.: Synthesis and Characterization of Proton-Conducting Copolymers on the Basis of Vinylpyrrolidone and Acrylamido Sulfonic Acid, 3347
Brash, J. L.4 See Du, Y. J., 594
Braun, D. See Schrod, M., 2540
Broda, J.
—; Nucleating Activity of the Quinacridone and Phthalocyanine Pigments in Polypropylene Crystallization, 3957
Brooks, B. W. See Bao, Y. Z., 954
Bu, N.-Y. See Zhou, J.-M., 1319
Bualek-Limcharoen, S. See Saikrasun, S., 518; Sukananta, P., 1337
Buanpa, R. See Lewis, C., 3059
Bubulac, T. See Petruş, O., 327
Buchert, J. See Heikinheimo, L., 1917
Burczyk, A. See Van Dyke, J. D., 871

Cádiz, V. See Espinosa, M. A., 470
Caflish, G. B. See Savitski, E. P., 722
Cagiao, M. E. See Michler, G. H., 1670
Cai, H.-S. See Hou, C., 2752
Cai, M. See Ge, J., 2756
Cai, Q. See Zhao, X., 1846
Camino, G. See Torre, L., 2532
Can, H. K.
—; Rzaev, Z. M. O.; Güner, A.: Synthesis and Characterization of New Hydrogels on the Basis of Water-Soluble Maleic Anhydride Copolymers with γ-Aminopropyltriethoxysilane, 4009
—; See Kavlak, S., 1708
Cao, J. See Gao, S., 2224
Cao, X.
—; Lee, L. J.: Control of Shrinkage and Final Conversion of Vinyl Ester Resins Cured in Low-Temperature Molding Processes, 1486
—; Zhang, L.; Huang, J.; Yang, G.; Wang, Y.: Structure–Properties Relationship of Starch/Waterborne Polyurethane Composites, 3325
Cao, Y.
—; Shao, Y.; Sun, J.; Lin, S.: Mechanical Properties of an Epoxy Resin Toughened by Polyester, 3384
—; See Chen, Y., 3519
Cardoso, J. See Dereszewska, A., 3594
Carruthers, S. B.
—; Ramos, G. L.; Koros, W. J.: Morphology of Integral-Skin Layers in Hollow-Fiber Gas-Separation Membranes, 399
Carvalho, A. J. F. See Araújo, E. M., 2643, 3512
Castro, A. See Rivas, B. L., 700
Castro, D. F.
—; Miguez Suarez, J. C.; Nunes, R. C. R.; Visconte, L. L. Y.: Effect of Mica Addition on the Properties of Natural Rubber and Polybutadiene Rubber Vulcanizates, 2156
Castro, J. M. See Boylan, S., 2557
Cataldo, F. See Cavalieri, F., 1631
Causin, V. See Marega, C., 2400
Cavaco-Paulo, A. See Heikinheimo, L., 1917
Cavalieri, F.
—; Padella, F.; Cataldo, F.: Mechanochemical Surface Activation of Ground Tire Rubber by Solid-State Devulcanization and Grafting, 1631

Çaykara, T. See Özyürek, C., 2385
Cazacu, G. See Petruş, O., 327
Cazacu, M. See Racleş, C., 3093
Cazorla-Amorós, D. See Sánchez-Adsuar, M. S., 2676
Cha, S. H., See Chun, B. C., 3141
Chabira, S. F.
—; Huchon, R.; Sebaa, M.: Anisotropic Character and Ultrasonic Stiffness Changes During the Natural Weathering of LDPE Films, 559
Chacko, A.
—; Mathew, B.: Polystyrene-Supported Polyoxyethylene Bound Potassium Permanganate as a Heterogeneous Oxidizing Agent, 3708
Chacko, S.
—; Mathew, T.; Kuriakose, S.: Polymer Supported Synthesis of Mixed Ligand Complexes, 2684
Chaikumpollert, O. See Rattanasom, N., 1793
Chaki, T. K. See Das, N. C., 2073
Chakrabarty, D. See Goswami, S., 412
Chan, A. S. C. See Liu, X.-Y., 1879
Chan, C. C. V.
—; Elliott, J. A. W.; Williams, M. C.: Interfacial Tension Measurements and Evidence of Order in High-Density Polyethylene Melts, 4061
Chan, C.-K.
—; Chu, I.-M.: Synthesis and Characterization of Highly Branched Poly(anhydride-*co*-glycol) with Glycerin as Branching Agent, 886
Chan, W. L. See Wu, Y. G., 2500
Chand, S. See Gupta, K. C., 1398
Chandra, B. P. See Sharma, S., 2703
Chang, J.-H.
—; Jang, T.-G.; Ihn, K. J.; Lee, W.-K.; Sur, G. S.: Poly(vinyl alcohol) Nanocomposites with Different Clays: Pristine Clays and Organoclays, 3208
Chang, S. See Yim, J.-H., 626
Chang, Y.
—; Xu, Q.; Liu, M.; Wang, Y.; Zhao, Q.: Supercritical CO_2-Assisted Synthesis of Poly(acrylic acid)/Nylon1212 Blend, 2040
Chang, Y. K. See Choi, W. M., 525
Chapleau, N.
—; Huneault, M. A.: Impact Modification of Poly(ethylene terephthalate), 2919
Chatti, S.
—; Bortolussi, M.; Loupy, A.; Blais, J. C.; Bogdal, D.; Roger, P.: Synthesis of New Polyethers Derived from Isoidide Under Phase-Transfer Catalysis: Reactivity and Selectivity Under Microwaves and Classical Heating, 1255
Chaubal, M. V.
—; Wang, B.; Su, G.; Zhao, Z.: Compositional Analysis of Biodegradable Polyphosphoester Copolymers Using NMR Spectroscopic Methods, 4021
Chauhan, G. S.
—; Kumar, S.; Kumari, A.; Sharma, R.: Study on the Synthesis, Characterization, and Sorption of Some Metal Ions on Gelatin- and Acrylamide-Based Hydrogels, 3856
Chen, C.
—; Curliss, D.: Preparation, Characterization, and

Nanostructural Evolution of Epoxy Nanocomposites, 2276
—; See Peng, S., 4054
Chen, C.-C. See Chen, J.-C., 1662; Yang, J. M., 1331
Chen, C.-H.
—; Yen, C.-C.: Mathematical Model for the Pultrusion of Blocked PU–UP Matrix Composites, 1996
—; See Mao, C.-F., 4000
Chen, C.-P. See Liu, Y.-L., 4047
Chen, C.-S. See Chien, R. D., 2979
Chen, C.-Y. See Cheng, S.-K., 1001
Chen, F. See Amarasinghe, G., 681; Liu, C., 1267
Chen, G. See Wu, H., 1873; Zhao, X., 1846
Chen, G.-N. See Lai, J.-Z., 3578
Chen, H. See Ding, X., 3503
Chen, J.
—; Soucek, M. D.: Ultraviolet Curing Kinetics of Cycloaliphatic Epoxide with Real-Time Fourier Transform Infrared Spectroscopy, 2485
—; See Xu, W., 1117
Chen, J.-C.
—; Yeh, J.-T.; Chen, C.-C.: Crosslinking of Cotton Cellulose in the Presence of Alkyl Diallyl Ammonium Salts. I. Physical Properties and Agent Distribution, 1662
Chen, K.-N. See Lai, J.-Z., 3578
Chen, P. See Chen, Y., 3609
Chen, P.-Y. See Yen, M.-S., 2824
Chen, R. H. See Tsaih, M. L., 3526
Chen, S.-C. See Chien, R. D., 2979
Chen, S. F. See Chen-Yang, Y. W., 810
Chen, S.-H. See Hung, M.-Y., 3374
Chen, S. Y. See Dan, Y., 1748
Chen, W. See Wu, H., 1873
Chen, X. See Liu, J., 1108, 3457
Chen, Y.
—; Cao, Y.; Li, H.: Effect of Ultrasound on Extrusion of Polypropylene/Ethylene–Propylene–Diene Terpolymer Blend: Processing and Mechanical Properties, 3519
—; Zhang, C.; Wang, Y.; Cheng, S.; Chen, P.: Study of Self-Crosslinking Acrylate Latex Containing Fluorine, 3609
—; Zhang, L.; Lu, Y.; Ye, C.; Du, L.: Preparation and Properties of Water-Resistant Soy Dreg/Benzyl Konjac Glucomannan Composite Plastics, 3790
Chen, Z.
—; Christensen, L.; Dahn, J. R.: A Study of the Mechanical and Electrical Properties of a Polymer/Carbon Black Binder System Used in Battery Electrodes, 1891
—; Chen, Z. See Wang, S., 1445
Chen-Yang, Y. W.
—; Chen, S. F.; Yuan, C. Y.; Lee, H. F.; Li, J. L.; Li, C. Y.; Chiu, Y. S.: Preparation and Properties of Nadic-End-Capped Cyclotriphosphazene-Containing Polyimide/Carbon Fiber Composites, 810
—; Yuan, C. Y.; Li, C. H.; Yang, H. C.: Preparation and Characterization of Novel Flame Retardant (Aliphatic phosphate)Cyclotriphosphazene-Containing Polyurethanes, 1357
Cheng, L. See Zhang, S., 257
Cheng, S. See Chen, Y., 3609
Cheng, S.-K.
—; Chen, C.-Y.: Study on the Phase Behavior of Ethylene–Vinyl Acetate Copolymer and Poly(methyl methacrylate) Blends by *In Situ* Polymerization, 1001
Cheng, S.-X.
—; Chung, T.-S.; Wang, R.; Vora, R. H.: Gas-Sorption Properties of 6FDA–Durene/1,4-Phenylenediamine (pPDA) and 6FDA–Durene/1,3-Phenylenediamine (mPDA) Copolyimides, 2187
Cheng, Z.
—; Zhu, X.; Zhou, N.; Lu, J.: Living/Controlled Radical Autopolymerization of Styrene in the Presence of $CuCl_2$ and 2,2′-Bipyridine, 1532
—; See Xu, W., 1117
Cheong, I.-W. See Yoon, C.-H., 792
Cheung, W. H. See Doherty, W. O. S., 316
Chevrot, C. See Vidal, F., 3569
Chi, Z.
—; Xu, J.: Synthesis and Characterization of Thermotropic Liquid Crystalline Poly(ester-imide-ketone), 1045
Chiang, W.-Y.
—; Lee, M.-L.: Synthesis and Characterization of Novel Copolymers of Carboxyphenylmaleimide and Methacrylates with Trimethylsiloxy Groups for Deep-UV Photoresists, 1032
—; Lin, Y.-H.: Properties of Modified Polyacrylonitrile Membranes Prepared by Copolymerization with Hydrophilic Monomers for Water–Ethanol Mixture Separation, 244
Chien, R. D.
—; Chen, S.-C.; Lin, M.-C.; Lee, P.-H.; Chen, C.-S.: Effect of Gas Channel Design on the Molding Window of Gas-Assisted-Injection-Molded Polystyrene Parts, 2979
Chiu, H.-T.
—; Chung, J.-S.: Study of the Properties and Reliability of EMC Packaging Material, 3928
Chiu, R.-J. See Lee, W.-F., 2214
Chiu, Y. S. See Chen-Yang, Y. W., 810
Cho, H.-C. See Park, E.-S., 1802
Cho, H. M. See Kim, I. S., 3896
Cho, J. W. See Chun, B. C., 3141
Choe, K. H. See Seo, W. J., 12
Choi, K. Y. See Kim, I. S., 1088
Choi, M. H.
—; Chung, I. J.: Mechanical and Thermal Properties of Phenolic Resin-Layered Silicate Nanocomposites Synthesized by Melt Intercalation, 2316
Choi, S. J.
—; Geckeler, K. E.: Synthesis and Properties of Hydrophilic Polymers. IX. Synthesis, Biodegradability, and Metal Complexation of Copolymers of Ethylenediaminetetraacetic Acid Dianhydride and Lactose, 650
Choi, S.-S.
—; Park, B.-H.; Nah, C.: Effect of Low Molecular Weight Polybutadiene as Processing Aid on Properties of Silica-Filled Styrene–Butadiene Rubber Compounds, 3135
Choi, W. M.
—; Kim, T. W.; Park, O. O.; Chang, Y. K.; Lee, J. W.: Preparation and Characterization of Poly(hydroxybutyrate-co-hydroxyvalerate)–Organoclay Nanocomposites, 525
Choudhary, V. See Khurana, P., 1739
Christensen, L. See Chen, Z., 1891
Chu, I.-M. See Chan, C.-K., 886
Chu, L. See Zhou, Z., 667
Chua, Y. C. See Zhao, W., 3051
Chuayjuljit, S. See Norakankorn, C., 3723
Chun, B. C.
—; Cha, S. H.,; Park, C.; Chung, Y.-C.; Park, M. J.; Cho, J. W.: Dynamic Mechanical Properties of

Sandwich-Structured Epoxy Beam Composites Containing Poly(ethyleneterephthalate)/Poly(ethyleneglycol) Copolymer with Shape Memory Effect, 3141
Chung, D. J. See Yoon, S.-W., 3741
Chung, I. J. See Choi, M. H., 2316
Chung, J.-S. See Chiu, H.-T., 3928
Chung, K.-H. See Moon, W.-S., 1797, 2933
Chung, T. D. See Kim, S. J., 881
Chung, T.-S. See Cheng, S.-X., 2187
Chung, Y.-C. See Chun, B. C., 3141
Coleman, M. See Hu, L., 2010
Colomines, G.
—; Andre, S.; Andrieu, X.; Rousseau, A.; Boutevin, B.: Synthesis and Characterization of Ultraviolet–Curable Fluorinated Polydimethylsiloxanes as Ultraviolet-Transparent Coatings for Optical Fiber Gratings, 2021
Contat-Rodrigo, L. See Vallés-Lluch, A., 3359
Cook, W. D.
—; Forsythe, J. S.; Irawati, N.; Scott, T. F.; Xia, W. Z.: Cure Kinetics and Thermomechanical Properties of Thermally Stable Photopolymerized Dimethacrylates, 3753
Costen, R. C. See Hou, T. H., 1906
Cozan, V. See Racleş, C., 3093
Crini, G. See Ghoul, M., 799
Cser, F.
—; Bhattacharya, S. N.: Study of the Orientation and the Degree of Exfoliation of Nanoparticles in Poly(ethylene–vinyl acetate) Nanocomposites, 3026
Curliss, D. See Chen, C., 2276
Czigány, T. See Romhány, G., 3638

da Costa, H. M.
—; Visconte, L. L. Y.; Nunes, R. C. R.; Furtado, C. R. G.: Rice Husk Ash Filled Natural Rubber. III. Role of Metal Oxides in Kinetics of Sulfur Vulcanization, 1519
Dahn, J. R. See Chen, Z., 1891
Dai, R. See Tong, B., 2879
Dan, A.
—; Sengupta, P. K.: Synthesis and Characterization of Conducting Poly(aniline-*co*-diaminodiphenylsulfone) Copolymers, 2337
Dan, Y.
—; Chen, S. Y.; Lian, T. J.: Surface Structure and Properties of Water-Based Polymer Coating Materials Prepared by the Complexation of Two Polymer Latices with Chemically Complementary Structures, 1748
D'Angelo, J. S. See Ellis, T. S., 1639
Das, N. C.
—; Chaki, T. K.; Khastgir, D.: Effect of Filler Treatment and Crosslinking on Mechanical and Dynamic Mechanical Properties and Electrical Conductivity of Carbon Black-Filled Ethylene–Vinyl Acetate Copolymer Composites, 2073
Datta, R. N.
—; Debnath, S. C.; Noordermeer, J. W. M.: Cure Modification of Natural Rubber Containing Benzothiazole Accelerators by Some Modified Thiocarbamyl Sulfenamides, 3835
D'auria, M. See Bonini, C., 1163
Dave, A. M. See Kumbar, S. G., 451
Day, R. See Zainol, I., 2764
De, P. See Gurudatt, K., 3536
De, P. P. See Anandhan, S., 2348
De, S. K. See Anandhan, S., 2348; Rajeev, R. S., 544
Deb, P. C. See Phadnis, S., 2572
Debnath, S. C. See Datta, R. N., 3835
de Carvalho, L. H. See de Medeiros, E. S., 1678
de C. Christiansen, J. See Drozdov, A. D., 186
De Clerck, K.
—; Rahier, H.; Van Mele, B.; Kiekens, P.: Interrelation Between Dyeing and Thermal Properties of PET Fibers, 105
Dekker, M. See Helmroth, I. E., 1609
Dekmezian, A. H. See Bonchev, D., 2648
de la Luz Martínez, J. See González, R., 3965
del Río, C. See Acosta, J. L., 2715
de Medeiros, E. S.
—; Agnelli, J. A. M.; Joseph, K.; de Carvalho, L. H.; Mattoso, L. H. C.: Curing Behavior of a Novolac-Type Phenolic Resin Analyzed by Differential Scanning Calorimetry, 1678
Deng, M.
—; Zhou, J.: Effects of Temperature and Stress Level on Creep and Tensile Property of Polypropylene Sutures, 3882
Deng, X. M. See Liu, Y., 3150
Deng, Y. See Tong, B., 2879; Yan, Z., 1624
Denizli, A. See Odabaşi, M., 2840
Dereszewska, A.
—; Olayo, R.; Cardoso, J.: Synthesis and Thermal Degradation of Poly(*n*-butylisocyanate) Modified by 1,3-Propanesultone, 3594
Desai, S. M. See Singh, R. P., 1126
de Souza, C. M. G. See Tavares, M. I. B., 3872
de Souza, G. P. See Robert, R., 3107
Dessouki, A. M. See Atia, K. S., 155
Devi, L. G. See Rajulu, A. V., 1604
Devi, S. See Bhawal, S., 2593
Dey, R. K.
—; Ray, A. R.: Synthesis, Characterization, and Blood Compatibility of Copolymers of Polyamidoamines and *N*-Vinylpyrrolidone, 4068
Dhoble, D. See Bhawal, S., 2593
Dinakaran, K.
—; Suresh Kumar, R.; Alagar, M.: Preparation and Characterization of Bismaleimide-Modified Bisphenol Dicyanate Epoxy Matrices, 1596
Dineff, P. See Vladkova, T. G., 2433
Ding, S. See Liu, M., 3299
Ding, X.
—; Xu, R.; Yu, D.; Chen, H.; Fan, R.: Effect of Ultrafine, Fully Vulcanized Acrylate Powdered Rubber on the Mechanical Properties and Crystallization Behavior of Nylon 6, 3503
Ding, X.-B. See Liu, X.-Y., 1879
Diniz, T. M. F. F.
—; Tavares, M. I. B.: Solution and Solid State Nuclear Magnetic Resonance Investigation of Poly(methylmethacrylate)/Poly(ethylene oxide) Blends, 2955
Dixit, V. See Joshi, G. P., 430
Doğan, A. See Usanmaz, A., 251
Doherty, W. O. S.
—; Fellows, C. M.; Gorjian, S.; Senogles, E.; Cheung, W. H.: Flocculation and Sedimentation of Cane Sugar Juice Particles with Cationic Homo- and Copolymers, 316
Domingo, C.
—; Vega, A.; Fanovich, M. A.; Elvira, C.; Subra, P.: Behavior of Poly(methyl methacrylate)–Based Systems in Supercritical CO_2 and CO_2 Plus Cosolvent: Solubility Measurements and Process Assessment, 3652
Dong, L. See Peng, S., 4054
Dong, Q.
—; Liu, Y.: Styrene-Assisted Free-Radical Graft Copolymerization

of Maleic Anhydride onto Polypropylene in Supercritical Carbon Dioxide, 853
Dong, Y. See Wu, Y., 583
Doroudiani, S.
—; Kortschot, M. T.: Polystyrene Foams. I. Processing-Structure Relationships, 1412
—; Kortschot, M. T.: Polystyrene Foams. II. Structure–Impact Properties Relationships, 1421
—; Kortschot, M. T.: Polystyrene Foams. III. Structure–Tensile Properties Relationships, 1427
Drozdov, A. D.
—; de C. Christiansen, J.: Effect of High-Temperature Annealing on the Elastoplastic Response of Isotactic Polypropylene in Loading–Unloading Tests, 186
Du, L. See Chen, Y., 3790
Du, Y. See Qin, C., 505
Du, Y. J.
—; Brash, J. L. 4Synthesis and Characterization of Thiol-Terminated Poly(ethylene oxide) for Chemisorption to Gold Surface: 594
Du, Y.-Z. See Han, S.-H., 3811
Duineveld, P. C. See Verstegen, E. J. K., 2364
Dumitrascu, N.
—; Borcia, G.; Apetroaei, N.; Popa, G.: Immobilization of Biologically Active Species on PA-6 Foils Treated by a Dielectric Barrier Discharge, 1985
Dunk, W. A. E. See Leveson, P., 693
Dzhusupbekova, A. B. See Nurkeeva, Z. S., 137
Dziwiński, E. See Król, P., 3122

Ebe, K.
—; Seno, H.; Horigome, K.: UV Curable Pressure-Sensitive Adhesives for Fabricating Semiconductors. I. Development of Easily Peelable Dicing Tapes, 436
Eboatu, A. N.
—; Akpuaka, M. U.; Ezenweke, L. O.; Afiukwa, J. N.: Use of Some Plant Wastes as Fillers for Polypropylene, 1447
Edwards, B. J. See Jiang, B., 2097
Eid, M. A. See Nada, A. M. A., 97
Ekinci, Ö. See Bozkurt, A., 3347
El-Aasser, M. S. See Anderson, C. D., 3987
El-Arnaouty, M. B. See Atia, K. S., 155
El-Deeb, M. M. See Sayyah, S. M., 1783
Elleuch, B. See Kallel, T., 2475
Elliott, J. A. W. See Chan, C. C. V., 4061
Ellis, S. See Hu, L., 2010
Ellis, T. S.
—; D'Angelo, J. S.: Thermal and Mechanical Properties of a Polypropylene Nanocomposite, 1639
El-Mossalamy, E. H.
—; Al-Thabaiti, S. A.: Synthesis and Thermal Studies of Poly(*N*-acryloyl,*N'*-cyanoacetohydrazide) Complexes with Co(II), Fe(III), and UO_2(II) Ions, 3354
El-Sabbagh, S. H.
—; Compatibility Study of Natural Rubber and Ethylene–Propylene–Diene Rubber Blends, 1
El-Sharkawy, F. M. See Fouda, I. M., 729
Elvira, C. See Domingo, C., 3652
El-Zaher, N. A. See Michael, M. N., 3668
Entezami, A. A. See Hosseini, S. H., 40, 49, 63
Erbay, E. See Taşkiran, I., 609
Eren, T.
—; Küsefoğlu, S. H.; Wool, R.: Polymerization of Maleic Anhydride–Modified Plant Oils with Polyols, 197
Erol, İ. See Soykan, C., 3244
Espinosa, M. A.
—; Cádiz, V.; Galià, M.: Synthesis and Characterization of Benzoxazine-Based Phenolic Resins: Crosslinking Study, 470
Evans, C. H. See Orprecio, R., 2103
Eyerer, P. See Blumenstock, T., 1868
Ezenweke, L. O. See Eboatu, A. N., 1447

Faasen, J. H. P. See Verstegen, E. J. K., 2364
Faldi, A. See Bonchev, D., 2648
Fan, R. See Ding, X., 3503
Fan, W. See Wang, S., 1445
Fan, Z.-Q. See Xu, J.-T., 3215
Fang, Y.-E. See Zhang, W.-A., 1692
Fanovich, M. A. See Domingo, C., 3652
Faulhammer, H. See Wollny, A., 344
Fei, B. See Peng, S., 4054
Fellers, J. F. See Jacob, G. C., 3222
Fellows, C. M. See Doherty, W. O. S., 316
Feng, S. See Zhang, J., 3889; Zhu, Q., 310
Ferrer, J. See Kint, D. P. R., 3076
Ferri, R. See Bonini, C., 1163
Figueroa, J. M. See González, R., 3965
Finelli, L. See Siracusa, V., 2003
Flejtuch, K. See Pielichowski, K., 861
Folch, I.
—; Borrós, S.: Study of the Polymerization Ability of a Novel Type of Aniline Monomer, 2-(*m*-Aminophenylbenzothiazole), 497
Fontoura, J. M. R.
—; Santos, A. F.; Silva, F. M.; Lenzi, M. K.; Lima, E. L.; Pinto, J. C.: Monitoring and Control of Styrene Solution Polymerization Using NIR Spectroscopy, 1273
Forsythe, J. S. See Cook, W. D., 3753
Fortelný, I.
—; Mikešová, J.; Hromádková, J.; Hašová, V.; Horák, Z.: Effect of Molecular Structure of Styrene–Butadiene Block Copolymers on Morphology, Rheological Properties, and Impact Strength of Polystyrene/Polyethylene Blends, 2303
Fouda, I. M.
—; El-Sharkawy, F. M.: Optomechanical Variations in Cold-Drawn Thermally Treated Polypropylene Fibers, 729
Francis, L. F. See Lei, H., 3934
Freitas, J. C. C. See Lu, J., 3252
Frisoni, G. See Baiardo, M., 1731
Frulloni, E. See Torre, L., 2532
Fu, R.
—; Xu, T.; Yang, W.; Pan, Z.: Preparation of a Mono-sheet Bipolar Membrane by Simultaneous Irradiation Grafting Polymerization of Acrylic Acid and Chloromethylstyrene, 572
Fugit, J. L. See Place, S., 3497
Fujiyama, M.
—; Kondou, M.: Effect of Gelation on the Flow Processability of Poly(vinyl chloride), 1808
Fukuhara, M.
—; Temperature Dependency of Elastic Moduli and Internal Dilational and Shear Frictions of Polyetherimide, 759
Furtado, C. R. G. See da Costa, H. M., 1519; Sereda, L., 421

Gagnard, C.
—; Germain, Y.; Keraudren, P.; Barrière, B.: Permeability of Semicrystalline Polymers to Toluene/Methanol Mixture, 2727
Gain, O. See Karabanova, L. V., 1191
Gal, Y.-S. See Hur, Y., 3459

Galià, M. See Espinosa, M. A., 470
Gao, J. See Lu, J., 3252
Gao, M. See Zhong, C., 3980
Gao, S.
—; Zhang, L.; Cao, J.: Synthesis and Characterization of Poly(ester urethane)/Nitrokonjac Glucomannan Semi-Interpenetrating Polymer Networks, 2224
—; Zhang, L.; Huang, Q.: Effect of the Synthesis Route on the Structure and Properties of Polyurethane/Nitrokonjac Glucomannan Semi-Interpenetrating Polymer Networks, 1948
Gao, Z.
—; Nahrup, J. S.; Mark, J. E.; Sakr, A.: Poly(dimethylsiloxane) Coatings for Controlled Drug Release. I. Preparation and Characterization of Pharmaceutically Acceptable Materials, 658
Garcia, F. G. See Jansen, P., 2391
Garipcan, B. See Odabaşi, M., 2840
Ge, J.
—; Shi, X.; Cai, M.; Wu, R.; Wang, M.: A Novel Biodegradable Antimicrobial PU Foam from Wattle Tannin, 2756
Geckeler, K. E. See Choi, S. J., 650
Genovese, A.
—; Shanks, R. A.: Morphology and Mechanical Properties of Polypropylene and Poly(ethylene-*co*-methyl acrylate) Blends, 175
—; See Amarasinghe, G., 681
Gérard, J. See Kallel, T., 2475
Gerberich, W. W. See Lei, H., 3934
Germain, Y. See Gagnard, C., 2727
Ghim, H. D. See Lyoo, W. S., 227
Ghimici, L.
—; Avram, E.: Viscometric Behavior of Quaternized Polysulfones, 465
Ghoul, M.
—; Bacquet, M.; Crini, G.; Morcellet, M.: Novel Sorbents Based on Silica Coated with Polyethylenimine and Crosslinked with Poly(carboxylic acid): Preparation and Characterization, 799
Gibbs, G.
—; Tobin, J. M.; Guibal, E.: Sorption of Acid Green 25 on Chitosan: Influence of Experimental Parameters on Uptake Kinetics and Sorption Isotherms, 1073
Gigimol, M. G. See Jose, J., 895
Gillen, K. T. See Harris, D. J., 2578
Gillham, J. K. See Lee, J. K., 2665
Gitsov, I. See Troev, K., 1148, 2301
Gnatowski, M. See Van Dyke, J. D., 871
Godjevargova, T.
—; Mihova, S.: Adsorption of Copper on Specifically Modified Polyamide Sorbent, 80
—; Vasileva, N.; Letskovska, Zl.: Study of the Thermal Stability of Glucose Oxidase in the Presence of Water-Soluble Polymers, 1393
Goje, A. S.
—; Thakur, S. A.; Patil, T. M.; Mishra, S.: Glycolytic Aminolysis of Poly(ethylene terephthalate) Waste for Recovery of Value-Added Comonomer at Atmospheric Pressure, 3437
—; See Mishra, S., 3305
González, L. See Acosta, J. L., 2715
González-Marcos, J. A. See González-Velasco, J. R., 2255
González, R.
—; Reguera, E.; Figueroa, J. M.; de la Luz Martínez, J.: Study of the Influence of *Nejayote* and Other Additives on the Cohesive Strength and Electric Properties of Carbon Black Agglomerates, 3965
González-Velasco, J. R.
—; López-Dehesa, C.; González-Marcos, J. A.: Pervaporation Performance of PTMSP Membranes at High Temperatures, 2255
Gopalan, A. See Anbarasan, R., 3827
Gorjian, S. See Doherty, W. O. S., 316
Gorrasi, G.
—; Pucciariello, R.; Villani, V.; Vittoria, V.; Belviso, S.: Miscibility in Crystalline Polymer Blends: Isotactic Polypropylene and Linear Low-Density Polyethylene, 3338
Goswami, S.
—; Bandyopadhyay, D.; Mandal, P. K.; Chakrabarty, D.: Novolac Resin–Poly(ethyl methacrylate) Interpenetrating Polymer Networks: Morphology and Mechanical and Thermal Properties, 412
Goto, H. See Hata, S., 2959
Graillat, C. See Santos, A. F., 1213
Grancharov, G. See Troev, K., 1148, 2301
Greenberg, A. R. See Khare, V. P., 2618; Soice, N. P., 1173
Gu, G. See Xiong, M., 1923
Gu, H.
—; Snavely, D. L.: Vibrational Overtone Initiated Photopolymerization of Acrylonitrile, 565
Gu, L. See Zhou, Z., 667
Gu, L.-X. See Han, S.-H., 3811
Gu, Y. See Liu, X., 3291
Guan, F.-X. See Xu, J.-T., 3215
Guaysomboon, J. See Sirisinha, C., 4038
Güçlü, G.
—; Gürdağ, G.; Özgümüş, S.: Competitive Removal of Heavy Metal Ions by Cellulose Graft Copolymers, 2034
Guibal, E. See Gibbs, G., 1073
Gültek, A. See Seçkin, T., 3905
Gunatillake, P. A. See Adhikari, R., 1565
Güner, A. See Can, H. K., 4009; Kavlak, S., 1708
Guo, C.
—; Ma, Z.; Zhang, M.; Ke, Y.; Hu, Y.: Reactor Blending of Polyethylene with Ethyl-Bridged Zirconocene Catalyst and Iron-Based Diimine Complex, 1515
Guo, H. See Ma, X., 2288
Guo, J.-S. See Xie, H.-Q., 830, 1026
Guo, L. K. See Liu, Y., 3150
Guo, S. See Wu, H., 1873
Guo, T. See Zhang, Y., 3625
Guo, T. Y.
—; Tang, G. L.; Hao, G. J.; Song, M. D.; Zhang, B. H.: Toughening Modification of PS with *n*-BA/MMA/Styrene Core–Shell Structured Copolymer from Emulsifier-Free Emulsion Polymerization, 1290
Guo, Y. See Takeichi, T., 4075
Gupta, B.
—; Anjum, N.: Preparation of Ion-Exchange Membranes by Hydrolysis of Radiation-Grafted Polyethylene-*g*-Polyacrylamide Membranes, 149
—; Anjum, N.: Preparation of Ion-Exchange Membranes by the Hydrolysis of Radiation-Grafted Polyethylene-*g*-Polyacrylamide Films: Properties and Metal-Ion Separation, 3747
Gupta, K. C.
—; Abdulkadir, H. K.; Chand, S.: Polymer-Immobilized *N,N'*-Bis(acetylacetone)ethylenediamine Cobalt(II) Schiff Base Complex and Its Catalytic Activity in Comparison with That of Its Homogenized Analogue, 1398

Gupta, M. See Singh, B., 1347, 1365
Gupte, S. L.
—; Agarwal, N.; Madras, G.; Nagaveni, K.; Hegde, M. S.: Effect of Aluminum Chloride and Pt/TiO_2 on the Thermal Degradation of Poly(vinyl chloride) in Solution, 3532
Gürdağ, G. See Güçlü, G., 2034
Gurudatt, K.
—; De, P.; Rakshit, A. K.; Bardhan, M. K.: Spinning Fibers from Poly(ethylene terephthalate) Bottle-Grade Waste, 3536
Guruvenket, S.
—; Komath, M.; Vijayalakshmi, S. P.; Raichur, A. M.; Mohan Rao, G.: Wettability Enhancement of Polystyrene with Electron Cyclotron Resonance Plasma with Argon, 1618
Guschl, P. C.
—; Otaigbe, J. U.: The Crystallization Kinetics of Low-density Polyethylene and Polypropylene Melt-blended with a Low-T_g Tin-based Phosphate Glass, 3445
Gutman, E. See Bobovitch, A., 3424

Ha, J. B. See Lyoo, W. S., 227
Haase, D. See Moore, T. T., 1574
Hacarlioglu, P.
—; Toppare, L.; Yilmaz, L.: Effect of Preparation Parameters on Performance of Dense Homogeneous Polycarbonate Gas Separation Membranes, 776
Hadano, S.
—; Onimura, K.; Tsutsumi, H.; Yamasaki, H.; Oishi, T.: Syntheses of Chemical-Modified Cellulose Obtained from Waste Pulp, 2059
Hafiz, A. A. See Aiad, I., 482
Hage, E., Jr. See Araújo, E. M., 2643, 3512
Hahn, J.-H. See Yim, J.-H., 626
Han, S.-H.
—; Ma, G.-H.; Du, Y.-Z.; Omi, S.; Gu, L.-X.: Preparation of Hemispherical Poly(4-Vinylpyridine-*co*-Butyl Acrylate)/Poly(Styrene-*co*-Butyl Acrylate) Composite Microspheres by Seeded Preswelling Emulsion Polymerization, 3811
Hande, V. H. See Phadnis, S., 2572
Hankemeier, Th. See Helmroth, I. E., 1609
Hao, G. See Zhang, Y., 3625
Hao, G. J. See Guo, T. Y., 1290
Harris, D. J.
—; Assink, R. A.; Gillen, K. T.: ^1H T_2-NMR Monitoring of Crosslinked Polyolefin Aging, 2578
Hasjim, J. See Li, F., 1830
Hašová, V. See Fortelný, I., 2303
Hassan, M. L.
—; Recycling of Jute Textile in Phenol Formaldehyde–Jute Composites, 3588
Hata, S.
—; Goto, H.; Tanaka, S.; Oku, A.: Viable Utilization of Polycarbonate as a Phosgene Equivalent Illustrated by Reactions with Alkanedithiols, Mercaptoethanol, Aminoethanethiol, and Aminoethanol: A Solution for the Issue of Carbon Resource Conservation, 2959
Hayes, B. S. See Nobelen, M., 2268
He, C.-J. See Pang, F.-J., 3430
He, F. See Liao, L. Q., 2657
He, S. See Peng, G., 115
He, Y. See Yu, L., 2855
Heatley, F. See Zainol, I., 2764
Heba, F.
—; Mouzali, M.; Abadie, M. J. M.: Effect of the Crosslinking Degree on Curing Kinetics of an Epoxy–Acid Copolymer System, 2834
Hegde, M. S. See Gupte, S. L., 3532
Heikinheimo, L.
—; Miettinen-Oinonen, A.; Cavaco-Paulo, A.; Buchert, J.: Effect of Purified *Trichoderma Reesei* Cellulases on Formation of Cotton Powder from Cotton Fabric, 1917
Helmroth, I. E.
—; Dekker, M.; Hankemeier, Th.: Additive Diffusion from LDPE Slabs into Contacting Solvents as a Function of Solvent Absorption, 1609
Henning, S. See Bobovitch, A., 3424; Michler, G. H., 1670
Hirahara, H. See Mori, K., 2549
Hjertberg, T. See Andersson, L. H. U., 3780
Ho, T.-H.
—; Leu, T.-S.: Preparation and Characterization of Long-Chain Multimaleimide-Containing Aralkyl Group Linkages, 1066
Holze, R. See Özçiçek, N. P., 3417
Hong, S.
—; Hong, S. M.; Hwang, S. S.; Kim, B. C.: Characterization and Physical Properties of Polymethylphenylsilsesquioxane (PMPSQ) and Hydroxyl-Functionalized Polystyrene (PS–OH) Hybrids, 2801
Hong, S. M. See Hong, S., 2801
Hood, D. K.
—; Senak, L.; Kopolow, S. L.; Tallon, M. A.; Kwak, Y. T.; Patel, D.; McKittrick, J.: Erratum to "Structural Insights into a Novel Molecular-Scale Composite of Soluble Poly(vinyl pyrrolidone) Supporting Uniformly Dispersed Nanoscale Poly(vinyl pyrrolidone) Particles", 1729
Hoogen, N. See Wollny, A., 344
Horák, Z. See Fortelný, I., 2303
Hori, N. See Nge, T. T., 1932
Hori, T. See Kuzuhara, A., 3806
Horigome, K. See Ebe, K., 436
Horrocks, A. R. See Zhang, S., 3165
Hosseini, S. H.
—; Entezami, A. A.: Chemical and Electrochemical Synthesis of Conducting Graft Copolymer of Vinyl Acetate with Pyrrole and Studies of Its Gas and Vapor Sensing, 40
—; Entezami, A. A.: Conducting Polymer Blends of Polypyrrole with Polyvinyl Acetate, Polystyrene, and Polyvinyl Chloride Based Toxic Gas Sensors, 49
—; Entezami, A. A.: Synthesis of Conducting Poly di-heteroaromatics} from Pyrrole, Indole, and Carbazole, and Their Mixed Hydroxamates, and Studies of Their Metal Complexes, 63
Hou, C.
—; Wang, C.-G.; Ying, L.; Cai, H.-S.: Affect of Dope Additives on Finishing Behavior of Carbon Fiber Precursors, 2752
Hou, T. H.
—; Costen, R. C.: Behavior of Volatile Depletion for LaRC™-PETI-5 Amide Acid/*N*-Methylpyrrolidinone Solution, 1906
Hourston, D. J. See Song, M., 3239
Hromádková, J. See Fortelný, I., 2303
Hsiao, T.-T. See Shieh, Y.-T., 4032
Hsu, C.-S. See Hung, M.-Y., 3374
Hsu, S. L.
—; Lee, P.; King, J.-S.; Jeng, J.-L.: Novel Positive-Working Aqueous-Base Developable Photosensitive Polyimide Precursors Based on

Diazonaphthoquinone-Capped Polyamic Esters, 2293
Hu, J. See Tong, B., 2879; Zhang, S., 257
Hu, L.
—; Xu, X.; Ilconich, J. B.; Ellis, S.; Coleman, M.: Impact of H^+ Ion Irradiation on Matrimid®. I. Evolution in Chemical Structure, 2010
Hu, X. See Joshi, S. C., 3314; Peng, S., 1941
Hu, Y.
—; Qi, C.; Liu, W.; Wang, B.; Zheng, H.; Sun, X.; Zheng, X.: Characterization of the Free Volume in High-Impact Polystyrene/Polypropylene and High-Impact Polystyrene/High-Density Polyethylene Blends Probed by Positron Annihilation Spectroscopy, 1507
—; See Guo, C., 1515; Wang, S., 1445
Huang, H.
—; Ikehara, T.; Nishi, T.: Observation of Morphology in EPDM/Nylon Copolymer Thermoplastic Vulcanizates by Atomic Force Microscopy, 1242
—; Liu, X.; Ikehara, T.; Nishi, T.: Investigation of Crystallization Behavior in Dynamically Vulcanized EPDM–Nylon Copolymer Blends, 824
Huang, J. See Cao, X., 3325; Zheng, H., 3676
Huang, J.-C.
—; Determination of Polymer–Polymer Interaction Parameters Using Inverse Gas Chromatography, 671
Huang, L. See Liu, Y., 3150
Huang, M.-R. See Li, X.-G., 3631
Huang, Q. See Gao, S., 1948
Huang, Z. See Bao, Y., 3848
Huang, Z.-M. See Shan, G.-R., 3945
Huchon, R. See Chabira, S. F., 559
Huda, S. See Yang, Y., 3285
Huerta-Vilca, D.
—; Moraes, S. R.; Motheo, A. J.: Role of a Chelating Agent in the Formation of Polyaniline Films on Aluminum, 819
Huff, B. J. See Savitski, E. P., 722
Hundiwale, D. G. See Borole, D. D., 2634
Huneault, M. A. See Chapleau, N., 2919
Hung, M.-Y.
—; Chen, S.-H.; Liou, R.-M.; Hsu, C.-S.; Lai, J.-Y.: Pervaporation Separation of a Water/Ethanol Mixture by a Sodium Sulfonate Polysulfone Membrane, 3374
Huo, C.
—; Ren, X. H.; Liu, B. P.; Yang, Y. R.; Rong, S. X.: Fractal Approach for Modeling the Morphology Evolution of Olefin Polymerization with Heterogeneous Catalysts, 1463
Hur, Y.
—; Lee, M.; Jin, S.-H.; Gal, Y.-S.; Kim, J.-H.; Kim, S.-H.; Koh, K.: Surface Plasmon Resonance Spectroscopic Comparison of Spiroxazine Monolayer and Polymeric Thin Film, 3459
Hussain, M.
—; Varley, R. J.; Zenka, M.; Simon, G. P.: Synthesis, Thermal Behavior, and Cone Calorimetry of Organophosphorus Epoxy Materials, 3696
Hwang, S. H. See Kim, J. K., 2503
Hwang, S. S. See Hong, S., 2801
Hyder, I. Z. See Robeson, L. M., 933
Hyeon-Lee, J. See Yim, J.-H., 626
Hyun, J. C. See Seo, W. J., 12
Hyun, J.-Y. See Meng, W., 1959

Ibarra-Rueda, L. See Sánchez-Adsuar, M. S., 2676
Ihn, K. J. See Chang, J.-H., 3208
Ikeda, J.-I.
—; Oe, H.; Aota, H.; Matsumoto, A.: Influence of Structural Parameters on the Degradation of Ultrahigh-Molecular-Weight Vinyl-Type Network-Polymer Precursors During Elution Through Size Exclusion Chromatography Columns, 577
Ikehara, T. See Huang, H., 824, 1242
Ilconich, J. B. See Hu, L., 2010
Im, S. S. See Park, C., 2708
Imanah, J. E.
—; Okieimen, F. E.: Rheological and Mechanical Properties of Natural Rubber Reinforced with Agricultural Byproduct, 3718
İnam, R. See Özyürek, C., 2385
Incarnato, L. See Ivankovic, M., 3012
Iordanskii, A. L. See Olkhov, A. A., 1471
Irawati, N. See Cook, W. D., 3753
Ishii, S. See Kumar, D. S., 1102
Ismail, S. A. See Atia, K. S., 155
Ivankovic, M.
—; Incarnato, L.; Kenny, J. M.; Nicolais, L.: Curing Kinetics and Chemorheology of Epoxy/Anhydride System, 3012

Jachuck, R. J. See Leveson, P., 693
Jacob, G. C.
—; Starbuck, J. M.; Simunovic, S.; Fellers, J. F.: Energy Absorption in Glass-Reinforced Continuous Strand Mat Composites, 3222
Jagadeesh, K. S. See Siddaramaiah, 2938
Jalali-Arani, A.
—; Katbab, A. A.; Nazockdast, H.: Preparation of Thermoplastic Elastomers Based on Silicone Rubber and Polyethylene by Thermomechanical Reactive Blending: Effects of Polyethylene Structural Parameters, 3402
Jana, R. N.
—; Nando, G. B.: Thermogravimetric Analysis of Blends of Low-Density Polyethylene and Poly(dimethyl siloxane) Rubber: The Effects of Compatibilizers, 635
Janarthanan, P.
—; Yunus, W. Md. Z. W.; Bin Ahmad, M.: Thermal Behavior and Surface Morphology Studies on Polystyrene Grafted Sago Starch, 2053
Jang, H. K. See Kim, J. H., 2200
Jang, T.-G. See Chang, J.-H., 3208
Jansen, P.
—; Garcia, F. G.; Soares, B. G.: Effect of Mercapto-Modified Ethylene–Vinyl Acetate on the Curing Parameters and Mechanical and Dynamic Mechanical Properties of Vulcanized Nitrile Rubber/Ethylene–Vinyl Acetate Blends, 2391
Javni, I.
—; Zhang, W.; Petrović, Z. S.: Soybean Oil Based Polyisocyanurate Cast Resins, 3333
Jayakumar, R.
—; Lee, Y.-S.; Nanjundan, S.: Synthesis and Characterization of Calcium-Containing Poly(urethane-urea)s, 3488
Jayaseharan, J. See Anbarasan, R., 3827
Jayasimha Reddy, G.
—; Venkata Naidu, S.; Rami Reddy, A. V.: Synthesis and Characterization of Poly(*N*-phenyl methacrylamide-*co*-methyl methacrylate) and Reactivity Ratios Determination, 2179
Jaziri, M. See Kallel, T., 2475
Jeevananda, T. See Siddaramaiah, 2938

Jeng, J.-L. See Hsu, S. L., 2293
Jeng, R.-J. See Liu, Y.-L., 4047
Jeong, H.-D. See Yim, J.-H., 626
Jhon, M. S. See Karis, T. E., 334
Ji, B. C. See Lyoo, W. S., 227
Ji, F.-X. See Tian, L.-Y., 765
Jiang, B.
—; Keffer, D. J.; Edwards, B. J.; Allred, J. N.: Modeling Shear Thickening in Dilute Polymer Solutions: Temperature, Concentration, and Molecular Weight Dependencies, 2997
Jiang, S. See Ye, Z.-Y., 3737
Jianjun, C. See Xiaohui, Y., 1185
Jiasen, Z. See Bing, W., 973
Jin, J. See Zhu, C., 982
Jin, S.-H. See Hur, Y., 3459
Jocić, D. See Radetić, M., 379
Jog, J. P. See Wanjale, S. D., 3233
Johander, P. See Andersson, L. H. U., 3780
John, M. See Jose, J., 895
Johnson, R. A. See Xu, J. B., 747
Jose, J.
—; John, M.; Gigimol, M. G.; Mathew, B.: Synthesis, Characterization, and Catalytic Activity of Crosslinked Poly(*N*-vinyl-2-pyrrolidone acrylic acid) Copolymer–Metal Complexes, 895
Joseph, K. See de Medeiros, E. S., 1678
Joshi, G. P.
—; Saxena, N. S.; Sharma, T. P.; Verma, S.; Dixit, V.; Mishra, S. C. K.: Measurement of Thermal Properties of Polyaniline/Metal from Room Temperature to 170°C, 430
Joshi, S. C.
—; Lam, Y. C.; Yue, C. Y.; Tam, K. C.; Li, L.; Hu, X.: Energy-Based Predictive Criterion for LCP Fibrillation in LCP/Thermoplastic Polymer Blends Under Shear, 3314
Jousseaume, V.
—; Morsli, M.; Bonnet, A.: XPS Study of Aged Polyaniline Films, 3730
Jovančić, P. See Radetić, M., 379
Jun, J.-B.
—; Suh, K.-D.: Preparation and Electrorheological Characterization of Suspensions of Poly(urethane acrylate)/Clay Nanocomposite Particles, 458
Jung, H. C. See Seo, W. J., 12
Juraitis, K. R. See Robert, R., 3107
Jurkowska, B.
—; Jurkowski, B.: On the Correlation Between Characteristics of Topological and Molecular Structures and Mechanical Properties of NR/Chlorinated Polyethylene Rubbers, 2583
Jurkowski, B. See Jurkowska, B., 2583

Kader, M. A.
—; Bhowmick, A. K.: Effect of Filler on the Mechanical, Dynamic Mechanical, and Aging Properties of Binary and Ternary Blends of Acrylic Rubber, Fluorocarbon Rubber, and Polyacrylate, 278
Kagawa, Y. See Okubo, M., 1825, 2027
Kajiyama, T. See Yamada, K., 2415
Kaliyappan, T.
—; Rajagopan, S.; Kannan, P.: Studies on Polyacrylates Containing Pendant Ligand with Carbonyl and Hydroxyl Functions and Their Divalent Metal Complexes, 2083
Kallel, T.
—; Massardier-Nageotte, V.; Jaziri, M.; Gérard, J.; Elleuch, B.: Compatibilization of PE/PS and PE/PP Blends. I. Effect of Processing Conditions and Formulation, 2475
Kamoun, C.
—; Pizzi, A.; Zanetti, M.: Upgrading Melamine–Urea–Formaldehyde Polycondensation Resins with Buffering Additives. I. The Effect of Hexamine Sulfate and Its Limits, 203
Kandpal, L. D. See Nandan, B., 2887, 2906
Kang, H. M. See Roh, J. H., 2508
Kang, I.-K. See Meng, W., 1959
Kannan, P. See Kaliyappan, T., 2083
Kao, K. C.
—; Tu, D.: Hole Injection Initiated by Ionic Conduction in Electrically Stressed Insulating Polymers, 1864
Kapadi, U. R. See Borole, D. D., 2634
Karabanova, L. V.
—; Boiteux, G.; Gain, O.; Seytre, G.; Sergeeva, L. M.; Lutsyk, E. D.; Bondarenko, P. A.: Semi-Interpenetrating Polymer Networks Based on Polyurethane and Polyvinylpyrrolidone. II. Dielectric Relaxation and Thermal Behaviour, 1191
Karger-Kocsis, J. See Romhány, G., 3638
Kariduraganavar, M. Y. See Kittur, A. A., 2441; Kulkarni, S. B., 3100
Karis, T. E.
—; Kono, R.; Jhon, M. S.: Harmonic Analysis in Grease Rheology, 334
Karlsson, L. E.
—; Karlsson, O. J.; Sundberg, D. C.: Nonequilibrium Particle Morphology Development in Seeded Emulsion Polymerization. II. Influence of Seed Polymer T_g, 905
Karlsson, O. J. See Karlsson, L. E., 905
Kashiwagi, K. See Kumar, D. S., 1102
Katbab, A. A. See Jalali-Arani, A., 3402
Katime, I. See Rodríguez, E., 530
Kavlak, S.
—; Can, H. K.; Güner, A.; Rzaev, Z.: Effect of Ni(II). Cd(II), and Cu(II) Metal Ions on the Crystallinity of Poly(maleic anhydride-*alt*-acrylic acid), 1708
Kaya, İ.
—; Şenol, D.: Synthesis and Characterization of Oligo-2-Hydroxy-1-Naphthaldehyde and Its Schiff Base Oligomers, 442
Ke, Y. See Guo, C., 1515
Keffer, D. J. See Jiang, B., 2997
Kendaganna Swamy, B. K.
—; Siddaramaiah: Structure–Property Relationship of Starch-Filled Chain-Extended Polyurethanes, 2945
Kendagannaswamy, B. K. See Siddaramaiah, 122
Kenny, J. M. See Ivankovic, M., 3012; Torre, L., 2532
Keraudren, P. See Gagnard, C., 2727
Khalifa, M. N. See Nada, A. M. A., 97
Khanchich, O. A.
—; Loshadkin, D. V.; Rozantsev, E. G.: Structural Transitions in Commercial Cellulose Systems, 22
Khare, V. P.
—; Greenberg, A. R.; Krantz, W. B.: Development of Pendant Drop Mechanical Analysis as a Technique for Determining the Stress–Relaxation and Water-Permeation Properties of Interfacially Polymerized Barrier Layers, 2618
Khastgir, D. See Das, N. C., 2073

Khurana, P.
—; Narula, A. K.; Choudhary, V.: Curing and Thermal Behavior of Diglycidyl Ether of Bisphenol A in the Presence of a Mixture of Amines, 1739
Khutoryanskiy, V. V. See Nurkeeva, Z. S., 137
Kiang, C. See Kim, I. S., 1088
Kiatkamjornwong, S. See Lewis, C., 3059; Nuisin, R., 3037
Kiekens, P. See De Clerck, K., 105
Killian, C. M. See Savitski, E. P., 722
Kim, B. C. See Hong, S., 2801
Kim, D. See Nam, G. H., 1081
Kim, D. S.
—; Lee, K. M.: Mechanical Properties and Structures of Dicyanate–Clay Nanocomposites, 2629
Kim, E. Y. See Park, C., 2708
Kim, G. S. See Yim, J.-H., 626
Kim, H. C. See Kim, S. J., 881
Kim, I.
—; White, J. L.: Anionic Copolymerization of Lauryl Lactam and Polycaprolactone for the Production of a Poly(ester amide) Triblock Copolymer, 3797
Kim, I. S.
—; Cho, H. M.; Koh, J.; Kim, J. P.: Low-Temperature Carrier Dyeing of Poly(vinyl chloride) Fibers with Disperse Dyes, 3896
—; Woo, B. G.; Choi, K. Y.; Kiang, C.: Two-Phase Model for Continuous Final-Stage Melt Polycondensation of Poly(ethylene terephthalate). III. Modeling of Multiple Reactors with Multiple Reaction Zones, 1088
Kim, I. Y. See Kim, S. J., 881, 1384, 3310
Kim, J. C. See Moon, W.-S., 1797
Kim, J. H.
—; Park, J. H.; Jang, H. K.; Yoon, J. Y.; Lyoo, W. S.: Characterization of Poly(trimethylene/butylene terephthalate) Copolymer Prepared by the Copolycondensation of Bis(3-hydroxypropyl terephthalate) and Bis(4-hydroxybutyl terephthalate), 2200
Kim, J.-H. See Hur, Y., 3459; Yoon, C.-H., 792; Yoon, S.-W., 3741
Kim, J. K.
—; Lee, S. H.; Hwang, S. H.: Study on the Thermoplastic Vulcanizate Using Ultrasonically Treated Rubber Powder, 2503
Kim, J. P. See Kim, I. S., 3896
Kim, M.-N. See Moon, W.-S., 1797, 2933; Park, E.-S., 1802
Kim, N. I. See Roh, J. H., 2508
Kim, S.-B. See Seo, W. J., 12
Kim, S. H. See Ahn, T. H., 3473
Kim, S.-H. See Hur, Y., 3459
Kim, S. I. See Kim, S. J., 86, 91, 881, 1384, 1389, 3032, 3310, 3922
Kim, S. J.
—; Lee, C. K.; Lee, Y. M.; Kim, S. I.: Preparation and Characterization of Thermosensitive Poly(*N*-isopropylacrylamide)/Poly(ethylene oxide) Semi-Interpenetrating Polymer Networks, 3032
—; Lee, C. K.; Lee, Y. M.; Lee, K. B.; Park, Y. D.; Kim, S. I.: Thermal Characterizations of Semi-Interpenetrating Polymer Networks Composed of Poly(ethylene oxide) and Poly(*N*-isopropylacrylamide), 3922
—; Lee, K. J.; Kim, I. Y.; An, K. H.; Kim, S. I.: Preparation and Characteristics of Poly(propylene glycol) and Poly(acrylic acid) Interpenetrating Polymer Network Hydrogels, 1384
—; Lee, K. J.; Kim, I. Y.; Lee, Y. M.; Kim, S. I.: Swelling Kinetics of Modified Poly(Vinyl Alcohol) Hydrogels, 3310
—; Lee, K. J.; Kim, S. I.; Lee, K. B.; Park, Y. D.: Sorption Characterization of Poly(vinyl alcohol)/Chitosan Interpenetrating Polymer Network Hydrogels, 86
—; Park, S. J.; Kim, I. Y.; Chung, T. D.; Kim, H. C.; Kim, S. I.: Thermal Characteristics of Interpenetrating Polymer Networks Composed of Poly(vinyl alcohol) and Poly(*N*-isopropylacrylamide), 881
—; Shin, S. R.; Lee, J. H.; Lee, S. H.; Kim, S. I.: Electrical Response Characterization of Chitosan/Polyacrylonitrile Hydrogel in NaCl Solutions, 91
—; Yoon, S. G.; Lee, Y. M.; An, K. H.; Kim, S. I.: Water Sorption of Poly(vinyl alcohol)/Poly(diallyl-dimethylammonium chloride) Interpenetrating Polymer Network Hydrogels, 1389
Kim, T. W. See Choi, W. M., 525
Kim, W. N. See Seo, W. J., 12
Kim, Y.
—; White, J. L.: Melt-Intercalation Nanocomposites with Chlorinated Polymers, 1581
Kimura, T. See Nge, T. T., 1932
King, J. A. See Konell, J. P., 1716
King, J.-S. See Hsu, S. L., 2293
Kint, D. P. R.
—; Martínez de Ilarduya, A.; Sansalvadó, A.; Ferrer, J.; Muñoz-Guerra, S.: Microstructure and Crystallization of Melt-Mixed Poly(ethylene terephthalate)/Poly(ethylene isophthalate) Blends, 3076
Kırbag, S. See Soykan, C., 3244
Kittur, A. A.
—; Kariduraganavar, M. Y.; Toti, U. S.; Ramesh, K.; Aminabhavi, T. M.: Pervaporation Separation of Water–Isopropanol Mixtures Using ZSM-5 Zeolite Incorporated Poly(vinyl alcohol) Membranes, 2441
Kloosterboer, J. G. See Verstegen, E. J. K., 2364
Knoll, K. See Michler, G. H., 1670
Koh, J. See Kim, I. S., 3896
Koh, K. See Hur, Y., 3459
Kohjiya, S. See Saikrasun, S., 518
Kolendo, A. Y. See Abadie, M. J. M., 1096
Komath, M. See Guruvenket, S., 1618
Kondo, S. See Okubo, M., 1825
Kondou, M. See Fujiyama, M., 1808
Konell, J. P.
—; King, J. A.; Miskioglu, I.: Tensile Modulus Modeling of Carbon-Filled Nylon 6,6 and Polycarbonate-Based Resins, 1716
Kono, R. See Karis, T. E., 334
Kopolow, S. L. See Hood, D. K., 1729
Koros, W. J. See Carruthers, S. B., 399; Moore, T. T., 1574
Kortschot, M. T. See Doroudiani, S., 1412, 1421, 1427
Koutsandreas, A. See Van Dyke, J. D., 871
Kowalik, J. See Abbett, K. F., 1113, 3876
Kozlov, G. V.
—; Bejev, A. A.; Zaikov, G. E.: The Physical Reasons for the Homogeneous and Nonhomogeneous Reactions of Haloid-Containing Epoxy Polymer Curing, 1202
Krantz, W. B. See Khare, V. P., 2618; Soice, N. P., 1173
Król, B. See Król, P., 3122

Król, P.
—; Król, B.; Dziwiński, E.: Study on the Synthesis of Brominated Epoxy Resins, 3122
Kulkarni, A. R. See Singh, V., 3602
Kulkarni, S. See Moore, T. T., 1574
Kulkarni, S. B.
—; Karidurganavar, M. Y.; Aminabhavi, T. M.: Molecular Migration of Aromatic Liquids into a Commercial Fluoroelastomeric Membrane at 30, 40, and 50°C, 3100
Kumada, K. See Yamada, K., 2415
Kumar, D. S.
—; Nakamura, K.; Nishiyama, S.; Noguchi, H.; Ishii, S.; Kashiwagi, K.; Yoshida, Y.: Electrical and Optical Properties of Plasma Polymerized Eucalyptus Oil Films, 1102
Kumar, H. See Begum, M., 739; Siddaramaiah, 122
Kumar, R.
—; Madras, G.: Thermal Degradation Kinetics of Isotactic and Atactic Polypropylene, 2206
Kumar, S. See Chauhan, G. S., 3856; Zhang, X., 716
Kumar, V. See Sharma, B. R., 129
Kumari, A. See Chauhan, G. S., 3856
Kumbar, S. G.
—; Dave, A. M.; Aminabhavi, T. M.: Release Kinetics and Diffusion Coefficients of Solid and Liquid Pesticides Through Interpenetrating Polymer Network Beads of Polyacrylamide-*g*-Guar Gum with Sodium Alginate, 451
Kumeta, K.
—; Nagashima, I.; Matsui, S.; Mizoguchi, K.: Crosslinking Reaction of Poly(vinyl alcohol) with Poly(acrylic acid) (PAA) by Heat Treatment: Effect of Neutralization of PAA, 2420
Kuriakose, A. P.
—; Varghese, M.: Use of Rice Bran Oil and Epoxidized Rice Bran Oil in Carbon Black–Filled Natural Rubber–Polychloroprene Blends, 4084
Kuriakose, S. See Chacko, S., 2684
Kurihara, S. See Nonaka, T., 1139
Küsefoğlu, S. H. See Eren, T., 197
Kuzuhara, A.
—; Chemical Modification of Keratin Fibers Using 2-Iminothiorane Hydrochloride, 3646
—; Hori, T.: New Method of Dyeing Keratin Fibers Using Poly(ethylene imine) and Its Coloring Mechanism, 3806
Kwak, Y. T. See Hood, D. K., 1729
Kweon, J.-O.
—; Noh, S.-T.: Thermal and Thermomechanical Properties of Poly(ethylene oxide) Networks Produced with Silica and Organic Crosslinking Agents, 270

Lahootifard, F. See Taghizadeh, S. M., 2987
Lai, J.-Y. See Hung, M.-Y., 3374
Lai, J.-Z.
—; Ling, H.-J.; Chen, G.-N.; Yeh, J.-T.; Chen, K.-N.: Polymer Hybrids from Self-Emulsified PU Anionomer and Water-Reducible Acrylate Copolymer via a Postcuring Reaction, 3578
Lam, Y. C. See Joshi, S. C., 3314
Lang, R. W. See Pinter, G., 3191
Larock, R. C. See Li, F., 1830
Lazzeri, A. See Zebarjad, S. M., 3767
Lednický, F. See Nedkov, T., 3087
Lee, C. K. See Kim, S. J., 3032, 3922
Lee, D.-K. See Tsai, R.-S., 2604
Lee, D.-Y. See Yoon, C.-H., 792
Lee, H. F. See Chen-Yang, Y. W., 810
Lee, J. See Lyoo, W. S., 227
Lee, J. H. See Kim, S. J., 91; Roh, J. H., 2508
Lee, J. K.
—; Gillham, J. K.: Evolution of Properties with Increasing Cure of a Thermosetting Epoxy/Aromatic Amine System: Physical Ageing, 2665
Lee, J.-S. See Lyoo, W. S., 227
Lee, J. W. See Choi, W. M., 525
Lee, K. B. See Kim, S. J., 86, 3922
Lee, K. J. See Kim, S. J., 86, 1384, 3310
Lee, K. M. See Kim, D. S., 2629
Lee, L. J. See Cao, X., 1486
Lee, M. See Hur, Y., 3459
Lee, M.-L. See Chiang, W.-Y., 1032
Lee, P. See Hsu, S. L., 2293
Lee, P.-H. See Chien, R. D., 2979
Lee, S. B.
—; Lee, Y. M.; Song, K. W.; Park, M. H.: Preparation and Properties of Polyelectrolyte Complex Sponges Composed of Hyaluronic Acid and Chitosan and Their Biological Behaviors, 925
Lee, S.-H.
—; Ripening Time and Fiber Formation of Chitosan Spinning Dope, 2870
—; Ohkita, T.: Mechanical and Thermal Flow Properties of Wood Flour–Biodegradable Polymer Composites, 1900
—; See Kim, J. K., 2503; Kim, S. J., 91
Lee, W.-F.
—; Chiu, R.-J.: Thermoreversible Hydrogels. XVIII. Synthesis, Swelling Characteristics, and Diffusion Behaviors of Porous, Ionic, Thermosensitive Hydrogels, 2214
—; Lin, Y.-H.: Thermoreversible Hydrogels. XIX. Synthesis and Swelling Behavior and Drug Release Behavior for the *N*-Isopropylacrylamide/Poly(ethylene glycol) Methylether Acrylate Copolymeric Hydrogels, 1683
Lee, W.-K. See Chang, J.-H., 3208
Lee, Y.-B. See Seo, W. J., 12
Lee, Y.-K.
—; Nakashima, Y.; Onimura, K.; Tsutsumi, H.; Oishi, T.: Synthesis of Novel Polymethacrylate Bearing an (S)-(+)-1-Cyclohexylethyl Urea Group in the Side Chain and Its Chiral Recognition Ability, 1018
Lee, Y. M. See Kim, S. J., 1389, 3032, 3310, 3922; Lee, S. B., 925
Lee, Y.-S. See Jayakumar, R., 3488
Lei, H.
—; Francis, L. F.; Gerberich, W. W.; Scriven, L. E.: Stress Development in Drying Fibers and Spheres, 3934
Lei, Y.-L.
—; Lin, D.-Q.; Yao, S.-J.; Zhu, Z.-Q.: Preparation and Characterization of Titanium Oxide-Densified Cellulose Beads for Expanded Bed Adsorption, 2848
Lenzi, M. K. See Fontoura, J. M. R., 1273
Letskovska, Zl. See Godjevargova, T., 1393
Leu, T.-S. See Ho, T.-H., 1066
Leveson, P.
—; Dunk, W. A. E.; Jachuck, R. J.: Numerical Investigation of Kinetics of Free-Radical Polymerization on Spinning Disk Reactor, 693
Lewis, C.
—; Buanpa, R.; Kiatkamjornwong, S.: Effect of Rubber Ratio, Carbon Black Level, and Accelerator Level on Natural Rubber/Bromobutyl Rubber Blend Properties, 3059
Li, A. Y. See Xu, G. C., 837
Li, C. H. See Chen-Yang, Y. W., 1357

Li, C. Y. See Chen-Yang, Y. W., 810
Li, D. See Zhou, H., 2377
Li, F.
—; Hasjim, J.; Larock, R. C.: Synthesis, Structure, and Thermophysical and Mechanical Properties of New Polymers Prepared by the Cationic Copolymerization of Corn Oil, Styrene, and Divinylbenzene, 1830
Li, H. See Chen, Y., 3519; Nonaka, T., 1139
Li, J. L. See Chen-Yang, Y. W., 810
Li, K. See Yeow, M. L., 2150
Li, L. See Joshi, S. C., 3314
Li, N.-H. See Zhou, J.-M., 1319
Li, S. See Liu, M., 3299
Li, S.-D.
—; Wang, C.; Xu, K.; Peng, Z.: Thermooxidative Degradation of Methyl Methacrylate-*graft*-Natural Rubber, 1227
Li, W.
—; Lin, Q.; Yan, M.; Zou, Y.: Reducing the Contents of Free Phenol and Formaldehyde in Phenolic Foam, 2333
Li, X.
—; Li, Y.: Electrochemical Preparation of Polythiophene in Acetonitrile Solution with Boron Fluoride–Ethyl Ether as the Electrolyte, 940
Li, X.-D. See Xie, H.-Q., 1026
Li, X.-G.
—; Shao, H.-T.; Bai, H.; Huang, M.-R.; Zhang, W.: High-Resolution Thermogravimetry of Polyethersulfone Chips in Four Atmospheres, 3631
Li, X. H. See Rajulu, A. V., 1604
Li, Y.
—; Zheng, Z.; Xu, C.; Ren, C.; Zhang, Z.; Xie, Z.: Synthesis of Iron-Containing Polysilazane and Its Antioxidation Effect on Silicone Oil and Rubber, 306
—; See Li, X., 940
Lian, T. J. See Dan, Y., 1748
Liang, B. R. See Zhang, G. Q., 2241
Liang, G. See Zhu, G., 1589
Liang, H. See Wei, H., 287
Liang, Z.-M.
—; Yin, J.: Poly(etherimide)/Montmorillonite Nanocomposites Prepared by Melt Intercalation, 1857
Liao, J. See Bao, Y., 3848
Liao, L. Q.
—; Liu, L. J.; Zhang, C.; He, F.; Zhuo, R. X.: Heating Characteristics and Polymerization of ε-Caprolactone Under Microwave Irradiation, 2657
Lima, E. L. See Fontoura, J. M. R., 1273; Santos, A. F., 1213
Lin, D.-Q. See Lei, Y.-L., 2848
Lin, H. T. See Yang, J. M., 1331
Lin, J. See Wu, H., 1873
Lin, J. N. See Yasuda, H. K., 387
Lin, M.-C. See Chien, R. D., 2979
Lin, Q. See Li, W., 2333
Lin, S. See Cao, Y., 3384
Lin, W. See Wang, Q., 511
Lin, Y. See Zhou, L., 916
Lin, Y.-H. See Chiang, W.-Y., 244; Lee, W.-F., 1683
Lin, Y.-L. See Liu, Y.-L., 4047
Lin, Y.-T. See Wang, H.-H., 2045
Linares-Solano, A. See Sánchez-Adsuar, M. S., 2676
Ling, H.-J. See Lai, J.-Z., 3578
Liou, R.-M. See Hung, M.-Y., 3374
Lips, D. See Baiardo, M., 1731
Liu, B.
—; Zhao, X.; Wang, X.; Wang, F.: Thermal Degradation Kinetics of Poly(propylene carbonate) Obtained from the Copolymerization of Carbon Dioxide and Propylene Oxide, 947
Liu, B. P. See Huo, C., 1463
Liu, C.
—; Zhang, J.; Shi, G.; Qu, L.; Chen, F.: Proton-Conducting Gel Polyelectrolytes Based on Lewis Acid, 1267
Liu, F. See Lu, Z., 2785
Liu, G. See Lu, Z., 2785
Liu, G.-D.
—; Zhang, L.-C.; Qu, X.-W.; Wang, B.-T.; Zhang, Y.: Tentative Study on Kinetics of Bulk Polymerization of Methyl Methacrylate in Presence of Montmorillonite, 3690
Liu, H. See Tang, J., 1053
Liu, J.
—; Chen, X.; Shao, Z.; Zhou, P.: Erratum to "Preparation and Characterization of Chitosan/Cu(II) Affinity Membrane for Urea Adsorption", 3457
—; Chen, X.; Shao, Z.; Zhou, P.: Preparation and Characterization of Chitosan/Cu(II) Affinity Membrane for Urea Adsorption, 1108
—; See Peng, G., 115
Liu, J.-H.
—; Wang, H.-Y.: Synthesis and Characterization of Novel Copolymers with Acid-Labile Ketal Moieties Derived from Camphor, 2969
—; Wu, F.-T.: Effects of the Chirality and Functionality of Monomers on the Holographic Gratings Formed in Photosensitive Films, 2246
Liu, L. J. See Liao, L. Q., 2657
Liu, M.
—; Liu, Z.; Ding, S.; Li, S.; Zhang, L.: Graft Copolymerization of Oleic Acid onto Low-Density Polyethylene in the Molten State, 3299
—; See Chang, Y., 2040; Liu, S., 3563
Liu, M.-F. See Zhang, W.-A., 1692
Liu, P. See Zhou, X., 3617
Liu, Q. See Zhu, C., 982
Liu, S.
—; Liu, M.: Synthesis and Characterization of Temperature- and pH-Sensitive Poly(*N*,*N*-diethylacrylamide-*co*-methacrylic acid), 3563
—; See Zhou, Z., 667
Liu, W. See Hu, Y., 1507
Liu, X.
—; Xiang, H.; Yang, J.; Gu, Y.: Preparation and Properties of Novel Polyimides with Side Chains Containing Biphenyl Units, 3291
—; See Huang, H., 824; Yang, M., 786
Liu, X.-Y.
—; Ding, X.-B.; Zheng, Z.-H.; Peng, Y.-X.; Long, X.-P.; Wang, X.-C.; Chan, A. S. C.; Yip, C. W.: Synthesis of Novel Magnetic Polymer Microspheres with Amphiphilic Structure, 1879
Liu, Y.
—; Guo, L. K.; Huang, L.; Deng, X. M.: Preparation and Properties of a Biodegradable Polymer as a Novel Drug Delivery System, 3150
—; Xie, J.-J.; Zhang, X.-Y.: Synthesis and Properties of the Copolymer of Acrylamide with 2-Acrylamido-2-methylpropanesulfonic Acid, 3481
—; See Dong, Q., 853; Qin, C., 505
Liu, Y.-C. See Tsai, R.-S., 2604
Liu, Y.-L.
—; Lin, Y.-L.; Chen, C.-P.; Jeng, R.-J.: Preparation of Epoxy Resin/Silica Hybrid Composites for Epoxy Molding Compounds, 4047
Liu, Y. T. See Yeow, M. L., 2150
Liu, Z. See Liu, M., 3299

Lobo, V. M. M. See Olkhov, A. A., 1471
Long, X.-P. See Liu, X.-Y., 1879
López-Dehesa, C. See González-Velasco, J. R., 2255
Loshadkin, D. V. See Khanchich, O. A., 22
Lotti, N. See Siracusa, V., 2003
Loupy, A. See Chatti, S., 1255
Lu, J.
—; Ma, S.; Gao, J.; Freitas, J. C. C.; Bonagamba, T. J.: Study on Characterization of Pyrolysis and Hydrolysis Products of Poly(vinyl chloride) Waste, 3252
—; See Cheng, Z., 1532
Lu, X. See Zhao, W., 3051
Lu, Y. See Chen, Y., 3790
Lu, Z.
—; Liu, G.; Liu, F.: Water-Dispersible, Porous Polyisoprene-*block*-Poly(acrylic acid) Microspheres, 2785
Lubczak, J.
—; Lubczak, R.; Zarzyka-Niemiec, I.: Preparation of New Polymers from Heterocyclic Compounds and Reactive Solvents of Melamine, 3390
Lubczak, R. See Lubczak, J., 3390
Lung, T.-I. See Shieh, Y.-T., 4032
Lutsyk, E. D. See Karabanova, L. V., 1191
Lynch, D. T. See Zhou, J.-M., 1319
Lyoo, W. S.
—; Yeum, J. H.; Ghim, H. D.; Lee, J.-S.; Ji, B. C.; Yoon, N. S.; Ha, J. B.; Lee, J.: Synthesis of Water-Soluble Syndiotacticity-Rich Low Molecular Weight Poly(vinyl alcohol) by Solution Copolymerization of Vinyl Pivalate/Vinyl Acetate in Tetrahydrofuran and Saponification, 227
—; See Kim, J. H., 2200; Noh, S. K., 2469
Lyu, Y.-Y. See Yim, J.-H., 626

Ma, G.-H. See Han, S.-H., 3811
Ma, J. H. See Zhang, G. Q., 2241
Ma, S. See Lu, J., 3252
Ma, X.
—; Guo, H.: Studies on Thermal Activities of Fabrics Treated by Polyethylene Glycol, 2288
Ma, Z. See Guo, C., 1515
Madras, G. See Gupte, S. L., 3532; Kumar, R., 2206
Maffezzoli, A. See Sannino, A., 168
Mah, S. K. See Yim, J.-H., 626
Mahajan, R. See Moore, T. T., 1574
Mahdavian, A.-R.
—; Zandi, M.: Kinetic Study of Radical Polymerization. II. Solid-State Bulk Polymerization of Sodium Methacrylate by Differential Scanning Calorimetry, 1648
Mahdavinia, G. R. See Pourjavadi, A., 3115
Mahulikar, P. P. See Borole, D. D., 2634
Maity, A.
—; Biswas, M.: Alumina-Based Water-Dispersible Conducting Nanocomposites of Polypyrrole and Polypyrrole with Poly(*N*-vinylcarbazole), 1058
Maki, T. See Matsuyama, H., 292
Makinose, K. See Nonaka, T., 1139
Maladono, A. C. See Soice, N. P., 1173
Mallakpour, S.
—; Rafiee, Z.: Polymerization of 4-(4′-*N*-1,8-Naphthalimidophenyl)-1,2,4-triazolidine-3,5-dione with Diisocyanates, 2861
Mandal, P. K. See Goswami, S., 412
Mandal, S.
—; Pangarkar, V. G.: Effect of Membrane Morphology in Pervaporative Separation of Isopropyl Alcohol–Aromatic Mixtures—A Thermodynamic Approach to Membrane Selection, 3912
Manferti, C. See Torre, L., 2532
Mani, R. See Bhattacharya, M., 1545
Mao, B. See Zhong, C., 3980
Mao, C.-F.
—; Chen, C.-H.: Thermoreversible Gelation of Nitrocellulose Solutions, 4000
Marcovich, N. E.
—; Villar, M. A.: Thermal and Mechanical Characterization of Linear Low-Density Polyethylene/Wood Flour Composites, 2775
Marega, C.
—; Marigo, A.; Causin, V.: Small-Angle X-Ray Scattering from Polyethylene: Distorted Lamellar Structures, 2400
Marigo, A. See Marega, C., 2400
Mark, J. E. See Gao, Z., 658
Markel, E. See Bonchev, D., 2648
Martínez de Ilarduya, A. See Kint, D. P. R., 3076
Martuscelli, E. See Raimo, M., 3409
Marykutty, C. V.
—; Mathew, G.; Mathew, E. J.; Thomas, S.: Studies on Novel Binary Accelerator System in Sulfur Vulcanization of Natural Rubber, 3173
Massardier-Nageotte, V. See Kallel, T., 2475
Mathew, B. See Chacko, A., 3708; Jose, J., 895
Mathew, E. J. See Marykutty, C. V., 3173
Mathew, G. See Marykutty, C. V., 3173
Mathew, T. See Chacko, S., 2684
Mathur, G. N. See Nandan, B., 2887, 2906
Matsuda, M. See Okubo, M., 1825
Matsui, S. See Kumeta, K., 2420
Matsumoto, A. See Ikeda, J.-I., 577
Matsumura, T.
—; Ochi, M.; Nagata, K.: Thermomechanical Properties, Phase Structure, and Conductivity of Organic/Inorganic Hybrid Material Filled with a Conductive Filler, 1980
Matsuyama, H.
—; Nakagawa, K.; Maki, T.; Teramoto, M.: Studies on Phase Separation Rate in Porous Polyimide Membrane Formation by Immersion Precipitation, 292
Mattoso, L. H. C. See de Medeiros, E. S., 1678
Matuana, L. See Stark, N. M., 2609
McKenna, T. See Santos, A. F., 1213
McKittrick, J. See Hood, D. K., 1729
Meadows, M. D. See Savitski, E. P., 722
Medina, J. A. See Rodíguez, C. A., 3466
Meng, W.
—; Hyun, J.-Y.; Song, D.-I.; Kang, I.-K.: Surface Modification and *In Vitro* Blood Compatibilities of Polyurethanes Containing *z*-Lysine Segments in the Main Chain, 1959
Meng, Y. Z. See Rajulu, A. V., 1604
Merkley, J. H. See Savitski, E. P., 722
Meyer, W. H. See Bozkurt, A., 3347
Michael, M. N.
—; El-Zaher, N. A.: Efficiency of Ultraviolet/Ozone Treatments in the Improvement of the Dyeability and Light Fastness of Wool, 3668
Michler, G. H.
—; Baltá-Calleja, F. J.; Puente, I.; Cagiao, M. E.; Knoll, K.; Henning, S.; Adhikari, R.: Microhardness of Styrene/Butadiene Block Copolymer

Systems: Influence of Molecular Architecture, 1670
Michler, G. H. See Bobovitch, A., 3424
Miettinen-Oinonen, A. See Heikinheimo, L., 1917
Miguez Suarez, J. C. See Castro, D. F., 2156
Mihova, S. See Godjevargova, T., 80
Mikešová, J. See Fortelný, I., 2303
Min, B. G. See Zhang, X., 716
Mirmohseni, A.
—; Valiegbal, K.; Wallace, G. G.: Preparation and Characterization of a Polyaniline/Poly(butyl acrylate–vinyl acetate) Composite as a Novel Conducting Polymer Composite, 2525
Mishra, S.
—; Zope, V. S.; Goje, A. S.: Kinetics and Thermodynamics of Hydrolytic Depolymerization of Poly(ethylene terephthalate) at High Pressure and Temperature, 3305
—; See Goje, A. S., 3437
Mishra, S. C. K. See Joshi, G. P., 430
Miskioglu, I. See Konell, J. P., 1716
Mizoguchi, K. See Kumeta, K., 2420
Mochizuki, N. See Suzuki, A., 1955
Mohamed, M. I. See Abd-El Salam, F., 1539
Mohan Rao, G. See Guruvenket, S., 1618
Moharir, A. V.
—; Bodas, M.; Vashisth, A.: Rate and Amount of Cellulose Synthesis in Developing Fibers of *Gossypium arboreum* and *Gossypium hirsutum* Cotton, 1453
Moon, W.-S.
—; Chung, K.-H.; Seol, D. J.; Park, E.-S.; Shim, J.-H.; Kim, M.-N.; Yoon, J.-S.: Antimicrobial Effect of Monomers and Polymers with Azole Moieties, 2933
—; Kim, J. C.; Chung, K.-H.; Park, E.-S.; Kim, M.-N.; Yoon, J.-S.: Antimicrobial Activity of a Monomer and Its Polymer Based on Quinolone, 1797
Moore, T. T.
—; Vo, T.; Mahajan, R.; Kulkarni, S.; Haase, D.; Koros, W. J.: Effect of Humidified Feeds on Oxygen Permeability of Mixed Matrix Membranes, 1574
Moraes, S. R. See Huerta-Vilca, D., 819
Morcellet, M. See Ghoul, M., 799
Mori, K.
—; Sesaki, Y.; Hirahara, H.; Oishi, Y.: Development of Polymer-Molding-Releasing Metal Mold Surfaces with Perfluorinated-Group-Containing Polymer Plating, 2549
Morsli, M. See Jousseaume, V., 3730
Mostafa, M. T. See Abd-El Salam, F., 1539
Motheo, A. J. See Huerta-Vilca, D., 819
Mouzali, M. See Heba, F., 2834
Muihamud, P. See Tanrattanakul, V., 261
Mülhaupt, R. See Wollny, A., 344
Müller, A. J. See Becker M, Y., 1772
Mun, G. A. See Nurkeeva, Z. S., 137
Munari, A. See Siracusa, V., 2003
Muñoz-Guerra, S. See Kint, D. P. R., 3076

Nada, A. M. A.
—; Eid, M. A.; Sabry, A. I.; Khalifa, M. N.: Preparation and Some Applications of Phosphosulfonated Bagasse and Wood Pulp Cation Exchangers, 97
Nagashima, I. See Kumeta, K., 2420
Nagata, K. See Matsumura, T., 1980
Nagaveni, K. See Gupte, S. L., 3532
Nagy, M. R. See Abd-El Salam, F., 1539
Nah, C. See Choi, S.-S., 3135
Nahrup, J. S. See Gao, Z., 658
Najafi, F.
—; Sarbolouki, M. N.: Synthesis and Characterization of Block Copolymers from Aromatic Diols, Fumaric Acid, Sebacic Acid and PEG, 2358
Nakagawa, K. See Matsuyama, H., 292
Nakamura, K. See Kumar, D. S., 1102
Nakano, Y. See Seida, Y., 2449
Nakashima, Y. See Lee, Y.-K., 1018
Nakayama, K. See Asano, Y., 2428
Nam, G. H.
—; Kim, D.: Separation Characteristics of Molecular Imprinted Poly(methacrylic acid) for Retinoid Derivatives, 1081
Nandan, B.
—; Kandpal, L. D.; Mathur, G. N.: Crystallization and Melting Behavior of Poly(ether ether ketone)/Poly(aryl ether sulfone) Blends, 2906
—; Kandpal, L. D.; Mathur, G. N.: Poly(ether ether ketone)/Poly(aryl ether sulfone) Blends: Relationships Between Morphology and Mechanical Properties, 2887
Nando, G. B. See Jana, R. N., 635
Nanjundan, S. See Jayakumar, R., 3488
Narayanaswamy, K. See Scariah, K. J., 2517
Narula, A. K. See Khurana, P., 1739
Natov, M. See Vladkova, T., 2734
Navarchian, A. H. See Semsarzadeh, M. A., 963
Nazockdast, H. See Jalali-Arani, A., 3402
Nedkov, T.
—; Lednický, F.: Morphologies of Polyethylene–Ethylene/Propylene/Diene Monomer Particles in Polypropylene-Rich Polyolefin Blends: Flake Structure, 3087
Nge, T. T.
—; Hori, N.; Takemura, A.; Ono, H.; Kimura, T.: Synthesis and FTIR Spectroscopic Studies on Shear Induced Oriented Liquid Crystalline Chitin/Poly(acrylic acid) Composite, 1932
Nho, Y. C. See Park, K. R., 1477
Nho, Y.-C. See Shim, J.-W., 3270, 3660
Nicolais, L. See Ivankovic, M., 3012; Sannino, A., 168
Nishi, T. See Huang, H., 824, 1242
Nishiyama, S. See Kumar, D. S., 1102
Nitz, H. See Wollny, A., 344
Nobelen, M.
—; Hayes, B. S.; Seferis, J. C.: Influence of Elastomer Distribution on the Cryogenic Microcracking of Carbon Fiber/Epoxy Composites, 2268
Noguchi, H. See Kumar, D. S., 1102
Noh, S. K.
—; Yang, Y.; Lyoo, W. S.: Investigation of Ethylene and Styrene Copolymerization Initiated with Dinuclear Constrained Geometry Catalysts Holding Polymethylene as a Bridging Ligand and Indenyl as a Cyclopentadienyl Derivative, 2469
Noh, S.-T. See Kweon, J.-O., 270
Nonaka, T.
—; Li, H.; Makinose, K.; Ogata, T.; Kurihara, S.: Synthesis and Functions of Water-Soluble and Thermosensitive Copolymers Having Phosphonium Groups from Acryloyloxyethyl Trialkyl Phosphonium Chloride, *N*-Isopropylacrylamide, and

without/with Butylmethacrylate, 1139
Noordermeer, J. W. M. See Datta, R. N., 3835
Norakankorn, C.
—; Chuayjuljit, S.; Pimpan, V.: Synthesis of Poly(*p*-diphenylmethylterephthalamide) from Recycled Monomers, 3723
Norman, A. D. See Soice, N. P., 1173
Norman, D. A.
—; Robertson, R. E.: The Effect of Fiber Orientation on the Toughening of Short Fiber-Reinforced Polymers, 2740
Novikova, O. O. See Abadie, M. J. M., 1096
Nuisin, R.
—; Omi, S.; Kiatkamjornwong, S.: Synthesis and Property Behavior of Dioctyl Phthalate Plasticized Styrene–Acrylate Particles by Shirasu Porous Glass Emulsification and Subsequent Suspension Copolymerization, 3037
Nunes, R. C. R. See Castro, D. F., 2156; da Costa, H. M., 1519; Sereda, L., 421
Nurkeeva, Z. S.
—; Mun, G. A.; Khutoryanskiy, V. V.; Bitekenova, A. B.; Dzhusupbekova, A. B.; Park, K.: Soluble and Crosslinked Hydrophilic Films Based on Compositions of Poly(acrylic acid) and Poly(2-hydroxyethyl vinyl ether) for Controlled Drug Release, 137

Ochi, M. See Matsumura, T., 1980
Odabaşi, M.
—; Garipcan, B.; Denizli, A.: Preparation of a Novel Metal-Chelate Affinity Beads for Albumin Isolation from Human Plasma, 2840
Oe, H. See Ikeda, J.-I., 577
Ogata, T. See Nonaka, T., 1139
Ohkita, T. See Lee, S.-H., 1900
Oishi, T. See Hadano, S., 2059; Lee, Y.-K., 1018
Oishi, Y. See Mori, K., 2549
Ojeda, M. C. See Acosta, J. L., 2715
Okieimen, F. E. See Imanah, J. E., 3718
Oku, A. See Hata, S., 2959
Okubo, M.
—; Matsuda, M.; Terada, A.; Kagawa, Y.; Kondo, S.: Production of Polymer Particles with Ethyleneurea Groups by Emulsifier-Free Emulsion Polymerization and the Wet Adhesion Property of the Emulsion Film, 1825
—; Terada, A.; Kagawa, Y.: Preparation of Two-Layer Film Having Porous Structure by Emulsion Blend Technique, 2027
Olander, B.
—; Wirsén, A.; Albertsson, A.-C.: Silicone Elastomers with Controlled Surface Composition Using Argon or Hydrogen Plasma Treatment, 1378
Olayo, R. See Dereszewska, A., 3594
Oliveira, M. G.
—; Soares, B. G.: Effect of Anhydride-Modified Ethylene–Propylene–Diene Rubber and Ethylene–Vinyl Acetate Copolymers on the Compatibilization of Nitrile Rubber/Ethylene–Propylene–Diene Rubber Blends, 2408
Olkhov, A. A.
—; Vlasov, S. V.; Iordanskii, A. L.; Zaikov, G. E.; Lobo, V. M. M.: Water Transport, Structure Features and Mechanical Behavior of Biodegradable PHB/PVA Blends, 1471
Omi, S. See Han, S.-H., 3811; Nuisin, R., 3037
Onimura, K. See Hadano, S., 2059; Lee, Y.-K., 1018
Ono, H. See Nge, T. T., 1932
Orprecio, R.
—; Evans, C. H.: Polymer-Immobilized Cyclodextrin Trapping of Model Organic Pollutants in Flowing Water Streams, 2103
Otaigbe, J. U. See Guschl, P. C., 3445
Özçiçek, N. P.
—; Pekmez, K.; Holze, R.; Yıldız, A.: Spectroelectrochemical Investigations of Aniline–Thiophene Copolymers in Acetonitrile, 3417
Özgümüş, S. See Güçlü, G., 2034
Özkan, G. See Şahin, Y., 2460
Özmihçi, F. See Pehlivan, H., 352, 3069
Özyürek, C.
—; Çaykara, T.; İnam, R.: Enhancement of Uranyl Ion Uptake by the Prestructuring of Poly(2-hydroxyethyl methacrylate itaconic acid) Hydrogels in the Presence of Lead and Cadmium Ions/Polarographic Determination, 2385

Padella, F. See Cavalieri, F., 1631
Pan, D. See Wu, Q.-L., 754
Pan, M.
—; Zhang, L.: Preparation and Characterization of Poly(butyl acrylate-*co*-2-ethylhexyl acrylate) Grafting of Vinyl Chloride Resin with Good Impact Resistance, 643
Pan, Z. See Fu, R., 572
Pandey, J. K.
—; Ahmad, A.; Singh, R. P.: Ecofriendly Behavior of Host Matrix in Composites Prepared from Agro-Waste and Polypropylene, 1009
—; See Singh, R. P., 1126
Pang, F.-J.
—; He, C.-J.; Wang, Q.-R.: The Preparation and Properties of Cellulose/Chitin Blend Fiber, 3430
Pangarkar, V. G. See Mandal, S., 3912
Papageorgiou, G. Z. See Takidis, G., 841
Park, B.-H. See Choi, S.-S., 3135
Park, C.
—; Kim, E. Y.; Yoo, Y. T.; Im, S. S.: Effect of Hydrophilicity on the Biodegradability of Polyesteramides, 2708
—; See Chun, B. C., 3141
Park, E.-S.
—; Cho, H.-C.; Kim, M.-N.; Yoon, J.-S.: Chain Extension and Mechanical Properties of Unsaturated Aliphatic Copolyesters Based on Poly(L-lactic acid), 1802
—; See Moon, W.-S., 1797, 2933
Park, J.-G. See Yim, J.-H., 626
Park, J. H. See Kim, J. H., 2200
Park, K. See Nurkeeva, Z. S., 137
Park, K. R.
—; Nho, Y. C.: Preparation and Characterization by Radiation of Poly(vinyl alcohol) and Poly(*N*-vinylpyrrolidone) Hydrogels Containing Aloe Vera, 1477
Park, M. H. See Lee, S. B., 925
Park, M. J. See Chun, B. C., 3141
Park, O. O. See Choi, W. M., 525
Park, S. J. See Kim, S. J., 881
Park, Y. D. See Kim, S. J., 86, 3922
Park, Y. H. See Ahn, T. H., 3473
Park, Y.-J. See Yoon, C.-H., 792
Pasch, H. See Schrod, M., 2540
Patel, D. See Hood, D. K., 1729
Patil, T. M. See Goje, A. S., 3437
Patra, M.
—; Behera, A. K.; Behera, R. K.: Acrylonitrile Polymerization

Initiated by Ce(IV)–Cyclohexanone Redox System in Presence of Surfactant, 2066
Patri, M. See Phadnis, S., 2572
Patwa, A. N. See Singh, R. P., 1126
Pehlivan, H.
—; Özmıhçı, F.; Tıhmınlıoğlu, F.; Balköse, D.; Ülkü, S.: Water and Water Vapor Sorption Studies in Polypropylene–Zeolite Composites, 3069
—; Özmihçi, F.; Tihminlioğlu, F.; Balköse, D.; Ülkü, S.: Water and Water Vapor Sorption Studies in Poly(propylene)-Zeolite Composites, 352
Pekmez, K. See Özçiçek, N. P., 3417; Şahin, Y., 2163
Peng, G.
—; Yang, D.; Liu, J.; He, S.: Effects of Vacuum Ultraviolet on the Structure and Optical Properties of Poly(tetrafluoroethylene) Films, 115
Peng, S.
—; An, Y.; Chen, C.; Fei, B.; Zhuang, Y.; Dong, L.: Miscibility and Crystallization Behavior of Poly(3-hydroxyvalerate-*co*-3-hydroxyvalerate)/Poly(propylene carbonate) Blends, 4054
—; Shao, H.; Hu, X.: Lyocell Fibers as the Precursor of Carbon Fibers, 1941
Peng, Y.-X. See Liu, X.-Y., 1879
Peng, Z. See Li, S.-D., 1227
Perçin, S. See Şahin, Y., 2460
Petreuş, I. See Petruş, O., 327
Petrović, Z. L. See Radetić, M., 379
Petrović, Z. S. See Javni, I., 3333
Petruş, O.
—; Bubulac, T.; Petreuş, I.; Cazacu, G.: Reactions of Some Phosphorus Compounds with Cellulose Dissolved in Aqueous Alkaline Solution, 327
Phadnis, S.
—; Patri, M.; Hande, V. H.; Deb, P. C.: Proton Exchange Membranes by Grafting of Styrene–Acrylic Acid onto FEP by Preirradiation Technique. I. Effect of Synthesis Conditions, 2572
Phetphaisit, C. W.
—; Phinyocheep, P.: Kinetics and Parameters Affecting Degradation of Purified Natural Rubber, 3546
Phinyocheep, P. See Phetphaisit, C. W., 3546
Phochalam, N.
—; Tabtiang, A.; Venables, R. A.: Influence of Molecular Weight on the Domain Coarsening Rates in Linear Polyethylene–Poly(ethylene-*co*-1-octene) Blends, 1655
Pielichowski, K.
—; Flejtuch, K.: Binary Blends of Polyethers with Fatty Acids: A Thermal Characterization of the Phase Transitions, 861
Pimpan, V. See Norakankorn, C., 3723
Pinter, G.
—; Lang, R. W.: Effect of Stabilization on Creep Crack Growth in High-Density Polyethylene, 3191
Pinto, J. C. See Fontoura, J. M. R., 1273; Santos, A. F., 1213
Pizzi, A. See Kamoun, C., 203; Zanetti, M., 215
Place, S.
—; Fugit, J. L.; Prochazka, F.; Taverdet, J. L.: A Rheological and Morphological Study of Treated PVC, 3497
Plesse, C. See Vidal, F., 3569
Popa, G. See Dumitrascu, N., 1985
Popp, J.-F. See Vidal, F., 3569
Postle, R. See Yu, W., 1206
Pourjavadi, A.
—; Mahdavinia, G. R.; Zohuriaan-Mehr, M. J.: Modified Chitosan. II. H-ChitoPAN, a Novel pH-Responsive Superabsorbent Hydrogel, 3115
Prochazka, F. See Place, S., 3497
Pucciariello, R. See Bonini, C., 1163; Gorrasi, G., 3338
Puente, I. See Michler, G. H., 1670

Qi, C. See Hu, Y., 1507
Qi, R.
—; Qian, J.; Zhou, C.: Modification of Acrylonitrile–Butadiene–Styrene Terpolymer by Grafting with Maleic Anhydride in the Melt. I. Preparation and Characterization, 1249
Qian, J. See Qi, R., 1249
Qin, C.
—; Du, Y.; Zhang, Z.; Liu, Y.; Xiao, L.; Shi, X.: Adsorption of Chromium (VI) on a Novel Quaternized Chitosan Resin, 505
Qu, L. See Liu, C., 1267
Qu, X.-W. See Liu, G.-D., 3690

Racleş, C.
—; Airinei, A.; Cozan, V.; Cazacu, M.; Sajo, I. E.: New Arylidene–Siloxane Polyethers: Liquid-Crystalline and Photosensitive Properties, 3093
Radetić, M.
—; Jocić, D.; Jovančić, P.; Rajaković, L.; Thomas, H.; Petrović, Z. L.: Recycled-Wool-Based Nonwoven Material as a Sorbent for Lead Cations, 379
Radhakrishnan, C. K. See Sujith, A., 2691
Rafiee, Z. See Mallakpour, S., 2861
Rahier, H. See De Clerck, K., 105
Rai, S. K. See Ravi Prakash, S. D., 33
Raichur, A. M. See Guruvenket, S., 1618
Raimo, M.
—; Martuscelli, E.: Influence of Titanium Dioxide on Crystallization Behavior of an Ethylene–Propylene Copolymer, 3409
Rajagopan, S. See Kaliyappan, T., 2083
Rajaković, L. See Radetić, M., 379
Rajeev, R. S.
—; Bhowmick, A. K.; De, S. K.; Bandyopadhyay, S.: Short Melamine Fiber Filled Nitrile Rubber Composites, 544
Rajendran, S.
—; Sivakumar, M.; Subadevi, R.: Effect of Plasticizers in Poly(vinyl alcohol)-Based Hybrid Solid Polymer Electrolytes, 2794
Raju, K. M. See Rajulu, A. V., 1604
Rajulu, A. V.
—; Meng, Y. Z.; Li, X. H.; Rao, G. B.; Devi, L. G.; Raju, K. M.; Reddy, R. R.: Effect of Alkali Treatment on Properties of the Lignocellulose Fabric *Hildegardia*, 1604
Rakshit, A. K. See Gurudatt, K., 3536
Ram, R. N. See Antony, R., 370
Ramakrishna, H. V. See Ravi Prakash, S. D., 33
Rama Mohan, T. R. See Singh, V., 3602
Ramesh, K. See Kittur, A. A., 2441
Rami Reddy, A. V. See Jayasimha Reddy, G., 2179
Ramos, G. L. See Carruthers, S. B., 399
Rao, G. B. See Rajulu, A. V., 1604
Rath, S. K. See Xiong, Y., 2229
Rattanasom, N.
—; Chaikumpollert, O.: Crack Growth and Abrasion Resistance of Carbon Black-Filled Purified Natural Rubber Vulcanizates, 1793

Ravindranathan, M. See Antony, R., 370
Ravi Prakash, S. D.
—; Ramakrishna, H. V.; Rai, S. K.; Varada Rajulu, A.: Miscibility Studies of Sodium Alginate/Poly(vinyl alcohol) Blend in Water by Viscosity, Ultrasonic, and Refractive Index Methods, 33
Ray, A. R. See Dey, R. K., 4068
Ray, S.
—; Bhowmick, A. K.; Swayajith, S.: Influence of Untreated and Novel Electron-Beam-Modified Surface-Coated Silica Filler on the Thermorheological Properties of Ethylene–Octene Copolymer, 2453
Reddy, R. R. See Rajulu, A. V., 1604
Reguera, E. See González, R., 3965
Reinecke, H. See Rodíguez, C. A., 3466
Ren, C. See Li, Y., 306
Ren, X. H. See Huo, C., 1463
Rezac, M. E. See Variankaval, N. E., 1697
Riande, E. See Sereda, L., 421
Ribes-Greus, A. See Vallés-Lluch, A., 3359
Rimelen, M. See Baiardo, M., 1731
Rivas, B. L.
—; Castro, A.: Preparation and Adsorption Properties of Resins Containing Amine, Sulfonic Acid, and Carboxylic Acid Moieties, 700
—; Sánchez, C. O.; Bernede, J.-C.; Basaez, L.: Synthesis, Characterization, and Properties of Poly(*m*-aminophenyl propionic acid) and Its Copolymers with Aniline, 706
—; Villegas, S.: Metal-Ion-Retention Properties of the Poly(2-acrylamido-2-methyl-1-propanosulfonic acid-*co*-4-vinyl pyridine) Resin, 3556
Riyajan, S.
—; Sakdapipanich, J. T.; Tanaka, Y.: Controlled Degradation of Cured Natural Rubber by Encapsulated Benzophenone as a Photosensitizer, 297
Robert, R.
—; de Souza, G. P.; Juraitis, K. R.; Akcelrud, L.: Electrical Polarization Effects on LDPE Morphology, 3107
Robertson, R. E. See Norman, D. A., 2740
Robeson, L. M.
—; Hyder, I. Z.: Novel Water Sorption Behavior of Emulsion Blends, 933
Robin, J. J. See Boutevin, G., 72
Rode, K. See Schrod, M., 2540
Rodíguez, C. A.
—; Medina, J. A.; Reinecke, H.: New Thermoplastic Materials Reinforced with Cellulose Based Fibers, 3466
Rodrigue, D. See Zhang, Y., 2111, 2120, 2130, 2139
Rodríguez, E.
—; Katime, I.: Behavior of Acrylic Acid–Itaconic Acid Hydrogels in Swelling, Shrinking, and Uptakes of Some Metal Ions from Aqueous Solution, 530
Rodriguez, Y. See Becker M, Y., 1772
Roger, P. See Chatti, S., 1255
Roh, J. H.
—; Lee, J. H.; Kim, N. I.; Kang, H. M.; Yoon, T.-H.; Song, K. H.: DSC Analysis of Epoxy Molding Compound with Plasma Polymer–Coated Silica Fillers, 2508
Romhány, G.
—; Karger-Kocsis, J.; Czigány, T.: Tensile Fracture and Failure Behavior of Technical Flax Fibers, 3638
Rong, S. X. See Huo, C., 1463
Roopa, S. See Siddaramaiah, 122
Rousseau, A. See Colomines, G., 2021
Rozantsev, E. G. See Khanchich, O. A., 22
Ruan, Y. See Wu, Y., 583
Ruffieux, K. See Baiardo, M., 1731
Ruseckaite, R. A. See Alvarez, V. A., 3157
Rzaev, Z. See Kavlak, S., 1708
Rzaev, Z. M. O. See Can, H. K., 4009

Sabia, A. R. See Bonini, C., 1163
Sabry, A. I. See Nada, A. M. A., 97
Sabugal, J. See Stefani, P. M., 2992
Saeoui, P. See Sirisinha, C., 4038
Saga, H. See Saito, H., 3020
Şahin, M. See Şahin, Y., 2460
Şahin, Y.
—; Pekmez, K.; Yıldız, A.: Electrochemical Preparation of Soluble Sulfonated Polymers and Aniline Copolymers of Aniline Sulfonic Acids in Dimethylsulfoxide, 2163
—; Perçin, S.; Şahin, M.; Özkan, G.: Electrochemical Preparation of Poly(2-bromoaniline) and Poly(aniline-*co*-2-bromoaniline) in Acetonitrile, 2460
Saikrasun, S.
—; Bualek-Limcharoen, S.; Kohjiya, S.; Urayama, K.: Thermotropic Liquid-Crystalline Copolyester (Rodrun LC3000)/Thermoplastic Elastomer (SEBS) *In Situ* Composites: II. Mechanical Properties and Morphology of Monofilaments in Comparison with Extruded Strands, 518
Saito, H.
—; Sakurai, A.; Sakakibara, M.; Saga, H.: Preparation and Properties of Transparent Cellulose Hydrogels, 3020
Sajo, I. E. See Racleş, C., 3093
Sakakibara, M. See Saito, H., 3020
Sakdapipanich, J. T. See Riyajan, S., 297
Sakr, A. See Gao, Z., 658
Sakurai, A. See Saito, H., 3020
Sánchez, C. O. See Rivas, B. L., 706
Sánchez-Adsuar, M. S.
—; Linares-Solano, A.; Cazorla-Amorós, D.; Ibarra-Rueda, L.: Influence of the Nature and the Content of Carbon Fiber on Properties of Thermoplastic Polyurethane–Carbon Fiber Composites, 2676
Sannino, A.
—; Maffezzoli, A.; Nicolais, L.: Introduction of Molecular Spacers Between the Crosslinks of a Cellulose-Based Superabsorbent Hydrogel: Effects on the Equilibrium Sorption Properties, 168
Sansalvadó, A. See Kint, D. P. R., 3076
Santos, A. F.
—; Lima, E. L.; Pinto, J. C.; Graillat, C.; McKenna, T.: Online Monitoring of the Evolution of the Number of Particles in Emulsion Polymerization by Conductivity Measurements. I. Model Formulation, 1213
—; See Fontoura, J. M. R., 1273
Sarac, A.
—; Yildirim, H.: Effect of Initiators and Ethoxylation Degree of Non-Ionic Emulsifiers on Vinyl Acetate and Butyl Acrylate Emulsion Copolymerization in the Loop Reactor, 537
Sarbolouki, M. N. See Najafi, F., 2358
Sarmah, D.
—; Baruah, S. D.: Synthesis, Characterization, and Thermal Properties of Copolymers of

Behenyl Acrylate and Behenyl Fumarate, 2721
Sasaki, A.
—; White, J. L.: Free-Radical Attachment of Nadic Anhydride onto Poly(alkylene terephthalate)s, 1839
Sastri, K. S. See Scariah, K. J., 2517; Subramanian, K., 2813
Savitski, E. P.
—; Caflish, G. B.; Killian, C. M.; Meadows, M. D.; Merkley, J. H.; Huff, B. J.: Influence of the Short-Chain Branch Length on the Calibration of Temperature Rising Elution Fractionation Systems, 722
Saxena, N. S. See Joshi, G. P., 430
Sayyah, S. M.
—; Abd El-Rehim, S. S.; El-Deeb, M. M.: Electropolymerization of Pyrrole and Characterization of the Obtained Polymer Films, 1783
Scandola, M. See Baiardo, M., 1731
Scariah, K. J.
—; Usha, K. M.; Narayanaswamy, K.; Shanmugam, K.; Sastri, K. S.: Evaluation of Isomeric Composition of Resol-Type Phenol Formaldehyde Matrix Resins for Silica–Phenolic Composites and Its Effect on Cure Characteristics of the Resin, 2517
Schmidt-Naake, G. See Becker, H. G., 2322
Schneider, B. See Tang, J., 1053
Schrod, M.
—; Rode, K.; Braun, D.; Pasch, H.: Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry of Synthetic Polymers. VI. Analysis of Phenol–Urea–Formaldehyde Cocondensates, 2540
Scott, T. F. See Cook, W. D., 3753
Scriven, L. E. See Lei, H., 3934
Sebaa, M. See Chabira, S. F., 559
Seçkin, T.
—; Gültek, A.: Postgrafting of Congo Red Dye onto Hyperbranched Mesoporous Silica with Terminal Amino Groups, 3905
Seferis, J. C. See Nobelen, M., 2268
Seib, P. See Wang, H., 3683
Seida, Y.
—; Takeshita, K.; Nakano, Y.: Phase Behavior of *N*-Isopropylacrylamide/Acrylic Acid Copolymer Hydrogels Prepared with Ultrasound, 2449
Semsarzadeh, M. A.
—; Navarchian, A. H.: Effects of NCO/OH Ratio and Catalyst Concentration on Structure, Thermal Stability, and Crosslink Density of Poly(urethane-isocyanurate), 963
Senak, L. See Hood, D. K., 1729
Sengupta, P. K. See Dan, A., 2337
Seno, H. See Ebe, K., 436
Senogles, E. See Doherty, W. O. S., 316
Şenol, D. See Kaya, İ., 442
Seo, W. J.
—; Jung, H. C.; Hyun, J. C.; Kim, W. N.; Lee, Y.-B.; Choe, K. H.; Kim, S.-B.: Mechanical, Morphological, and Thermal Properties of Rigid Polyurethane Foams Blown by Distilled Water, 12
Seol, D. J. See Moon, W.-S., 2933
Sereda, L.
—; Visconte, L. L. Y.; Nunes, R. C. R.; Furtado, C. R. G.; Riande, E.: Effect of Silica and Rice Husk Ash Fillers on the Modulus of Polysiloxane Networks, 421
Sergeeva, L. M. See Karabanova, L. V., 1191
Sesaki, Y. See Mori, K., 2549
Seyed Reihani, S. M. See Zebarjad, S. M., 3767
Seytre, G. See Karabanova, L. V., 1191
Shah, B. L.
—; Shertukde, V. V.: Effect of Plasticizers on Mechanical, Electrical, Permanence, and Thermal Properties of Poly(vinyl chloride), 3278
Shahin, M. M.
—; Optical Microscopy Study on Poly(*p*-phenylene terephthalamide) Fibers, 360
Shan, G.-R.
—; Xu, P.-Y.; Weng, Z.-X.; Huang, Z.-M.: Oil-Absorption Function of Physical Crosslinking in the High-Oil-Absorption Resins, 3945
Shanks, R. A. See Amarasinghe, G., 681; Genovese, A., 175
Shanmugam, K. See Scariah, K. J., 2517
Shao, H. See Peng, S., 1941
Shao, H.-T. See Li, X.-G., 3631
Shao, Y. See Cao, Y., 3384
Shao, Z. See Liu, J., 1108, 3457
Sharma, B. R.
—; Kumar, V.; Soni, P. L.: Graft Copolymerization of Acrylonitrile onto *Cassia tora* Gum with Ceric Ammonium Nitrate–Nitric Acid as a Redox Initiator, 129
Sharma, R. See Chauhan, G. S., 3856
Sharma, S.
—; Bajpai, R.; Chandra, B. P.: Photoplastic Effect in Polycarbonate Using Tensile Deformation, 2703
Sharma, T. P. See Joshi, G. P., 430
Shen, X.-F. See Zhang, W.-A., 1692
Shertukde, V. V. See Shah, B. L., 3278
Shi, G. See Liu, C., 1267; Zhao, X., 1846
Shi, W. See Wei, H., 287
Shi, X. See Ge, J., 2756; Qin, C., 505
Shi, Y. See Zhao, X., 1846
Shieh, Y.-T.
—; Hsiao, T.-T.; Lung, T.-I.; Yang, H.-S.: Supercritical CO_2 Extraction of Phthalate Plasticizers from PVC, 4032
Shim, J.-H. See Moon, W.-S., 2933
Shim, J.-W.
—; Nho, Y.-C.: γ-Irradiation Preparation of Poly(acrylic acid)–Chitosan Hydrogels for *In Vitro* Drug Release, 3270
—; Nho, Y.-C.: Preparation of Poly(acrylic acid)–Chitosan Hydrogels by Gamma Irradiation and *In Vitro* Drug Release, 3660
Shin, J.-S. See Yoon, C.-H., 792
Shin, S. R. See Kim, S. J., 91
Shiraishi, K. See Sugiyama, K., 143
Siddaramaiah
—; Jeevananda, T.; Jagadeesh, K. S.; Somashekarappa, H.; Somashekar, R.: Physicomechanical, Optical, Barrier, and WAXS Studies of Filled Linear Low-Density Polyethylene Films, 2938
—; Kumar, H.; Roopa, S.; Kendagannaswamy, B. K.; Aminabhavi, T. M.: Computer Simulation Method for Calculating Concentration Profiles in Polyurethane/Polystyrene Interpenetrating Polymer Network Membranes, 122
—; See Begum, M., 739; Kendaganna Swamy, B. K., 2945
Sideridou, I. See Takidis, G., 841
Silva, F. M. See Fontoura, J. M. R., 1273
Simon, G. P. See Hussain, M., 3696
Simunovic, S. See Jacob, G. C., 3222
Singh, B.
—; Gupta, M.; Tarannum, H.: Mastic of Polymer-Modified Bitumen

and Poly(vinyl chloride) Wastes, 1347
—; Tarannum, H.; Gupta, M.: Use of Isocyanate Production Waste in the Preparation of Improved Waterproofing Bitumen, 1365
Singh, R. P.
—; Patwa, A. N.; Desai, S. M.; Pandey, J. K.; Solanky, S. S.; Vishwa Prasad, A.: Synthesis of New Polymeric Hindered Amine Light Stabilizers: Performance Evaluation in Styrenic Polymers, 1126
—; See Pandey, J. K., 1009
Singh, V.
—; Kulkarni, A. R.; Rama Mohan, T. R.: Dielectric Properties of Aluminum–Epoxy Composites, 3602
Siracusa, V.
—; Finelli, L.; Lotti, N.; Munari, A.: Sulfur-Containing Polymers: Effect of Composition on Melting Behavior and Crystallization Kinetics of Poly(butylene terephthalate), 2003
Sirisinha, C.
—; Saeoui, P.; Guaysomboon, J.: Relationship among Phase Morphology, Oil Resistance, and Thermal Aging Properties in CPE/NR Blends: Effect of Blending Conditions, 4038
Sivakumar, M. See Rajendran, S., 2794
Snavely, D. L. See Gu, H., 565
Soares, B. G. See Jansen, P., 2391; Oliveira, M. G., 2408
Soice, N. P.
—; Maladono, A. C.; Takigawa, D. Y.; Norman, A. D.; Krantz, W. B.; Greenberg, A. R.: Oxidative Degradation of Polyamide Reverse Osmosis Membranes: Studies of Molecular Model Compounds and Selected Membranes, 1173
Solanky, S. S. See Singh, R. P., 1126
Somashekarappa, H. See Siddaramaiah, 2938
Somashekar, R. See Siddaramaiah, 2938
Son, Y. A.
—; Sun, G.: Durable Antimicrobial Nylon 66 Fabrics: Ionic Interactions with Quaternary Ammonium Salts, 2194
Song, C. See Wang, Q., 511
Song, D.-I. See Meng, W., 1959
Song, K. H. See Roh, J. H., 2508
Song, K. W. See Lee, S. B., 925
Song, L. See Wang, S., 1445
Song, M.
—; Hourston, D. J.; Yao, K. J.; Tay, J. K. H.; Ansarifar, M. A.: High Performance Nanocomposites of Polyurethane Elastomer and Organically Modified Layered Silicate, 3239
—; See Zhang, Y., 3625
Song, M. D. See Guo, T. Y., 1290
Soni, P. L. See Sharma, B. R., 129
Sono, K. See Sugiyama, K., 143
Soucek, M. D. See Chen, J., 2485
Soykan, C.
—; Erol, İ.; Kırbag, S.: Synthesis and Characterization of Poly(1,3-thiazol-2-yl-carbomoyl) Methyl Methacrylate: Its Metal Complexes and Antimicrobial Activity Studies, 3244
Stapert, H. R. See Verstegen, E. J. K., 2364
Starbuck, J. M. See Jacob, G. C., 3222
Stark, N. M.
—; Matuana, L.: Ultraviolet Weathering of Photostabilized Wood-Flour-Filled High-Density Polyethylene Composites, 2609
Stefani, P. M.
—; Tejeira Barchi, A.; Sabugal, J.; Vazquez, A.: Characterization of Epoxy Foams, 2992
Stojcheva, R. See Vladkova, T. G., 2433
Stutz, H.
—; Tesch, H.: Assessment of Cyclization and Network Defects in Glycidylamine-Based Epoxy Networks by Selective Degradation, 3951
Su, G. See Chaubal, M. V., 4021
Subadevi, R. See Rajendran, S., 2794
Subra, P. See Domingo, C., 3652
Subramanian, K.
—; Sastri, K. S.: Synthesis and Characterization of Iron Carbonyl-Modified Hydroxyl-Terminated Polybutadiene: A Catalyst-Bound Propellant Binder for Burn-Rate Augmentation, 2813
Sudduth, R. D.
—; Comparison of the Viscous and Elastic Components of Two ABS Materials with Creep, Stress Relaxation and Constant Strain Rate Measurements Using the Universal Viscoelastic Model, 1298
Sudha, M. See Anbarasan, R., 3827
Sudol, E. D. See Anderson, C. D., 3987
Sugiyama, K.
—; Shiraishi, K.; Sono, K.: Characterization and Application of Polypropylene Films Modified with Stimuli-Sensitive Copolymers with an Ar-Plasma Postpolymerization Technique, 143
Suh, K.-D. See Jun, J.-B., 458
Sujith, A.
—; Radhakrishnan, C. K.; Unnikrishnan, G.; Thomas, S.: Mass Transfer Characteristics of Natural Rubber/Ethylene Vinyl Acetate Blends, 2691
Sukananta, P.
—; Bualek-Limcharoen, S.: *In Situ* Modulus Enhancement of Polypropylene Monofilament Through Blending with a Liquid-Crystalline Copolyester, 1337
Sun, G. See Son, Y. A., 2194
Sun, J. See Cao, Y., 3384
Sun, M.-W. See Zhang, J., 1851
Sun, X. See Hu, Y., 1507; Wang, H., 3683
Sunal, G. See Taşkiran, I., 609
Sundberg, D. C. See Karlsson, L. E., 905
Sur, G. S. See Chang, J.-H., 3208
Suresh Kumar, R. See Dinakaran, K., 1596
Suzuki, A.
—; Mochizuki, N.: Mechanical Properties and Microstructure of Poly(ethylene terephthalate) Microfiber Prepared by Carbon Dioxide Laser Heating, 1955
Suzuyoshi, K. See Tsuji, H., 587
Swayajith, S. See Ray, S., 2453
Swei, J.
—; Talbot, J. B.: Study of Polyvinylpyrrolidone (PVP) Photoresist for CRTs, 1156
—; Talbot, J. B.: Viscosity Correlation for Aqueous Polyvinylpyrrolidone (PVP) Solutions, 1153
Syromyatnikov, V. G. See Abadie, M. J. M., 1096
Szeto, Y. S. See Wu, Y. G., 2500

Tabtiang, A. See Phochalam, N., 1655
Taghizadeh, S. M.
—; Lahootifard, F.: Effect of Different Skin Permeation Enhancers on Peel Strength of an Acrylic PSA, 2987
Takeichi, T.
—; Guo, Y.: Synthesis and Characterization of

Poly(urethane-benzoxazine)/Clay Hybrid Nanocomposites, 4075
Takemura, A. See Nge, T. T., 1932
Takeshita, K. See Seida, Y., 2449
Takidis, G.
—; Bikiaris, D. N.; Papageorgiou, G. Z.; Achilias, D. S.; Sideridou, I.: Compatibility of Low-Density Polyethylene/Poly(ethylene-*co*-vinyl acetate) Binary Blends Prepared by Melt Mixing, 841
Takigawa, D. Y. See Soice, N. P., 1173
Talbot, J. B. See Swei, J., 1153, 1156
Tallon, M. A. See Hood, D. K., 1729
Tam, K. C. See Joshi, S. C., 3314
Tan, Z. See Zheng, H., 3676
Tanabe, S. See Yamada, K., 2415
Tanaka, S. See Hata, S., 2959
Tanaka, Y. See Riyajan, S., 297
Tang, G. L. See Guo, T. Y., 1290
Tang, J.
—; Wang, Y.; Liu, H.; Xia, Y.; Schneider, B.: Effect of Processing on Morphological Structure of Polyacrylonitrile Matrix Nano-ZnO Composites, 1053
Tang, X. See Tian, L., 2310
Tang, X.-Z. See Tian, L.-Y., 765
Tang, Y.-R. See Zhang, S.-Q., 806
Tanrattanakul, V.
—; Wattanathai, B.; Tiangjunya, A.; Muihamud, P.: *In Situ* Epoxidized Natural Rubber: Improved Oil Resistance of Natural Rubber, 261
Tarannum, H. See Singh, B., 1347, 1365
Taşkiran, I.
—; Sunal, G.; Erbay, E.; Uyanik, N.: Structural Modification of Expandable Polystyrene. I. Copolymerization with α-Methylstyrene, 609
Tavares, M. I. B.
—; de Souza, C. M. G.: Natural Abundance ^{15}N Solid-State NMR Study of Nylon-6 in Blends, 3872
—; See Diniz, T. M. F. F., 2955
Taverdet, J. L. See Place, S., 3497
Tay, J. K. H. See Song, M., 3239
Teja, A. S. See Abbett, K. F., 1113, 3876
Tejeira Barchi, A. See Stefani, P. M., 2992
Tembe, G. L. See Antony, R., 370
Terada, A. See Okubo, M., 1825, 2027
Teramoto, M. See Matsuyama, H., 292
Tesch, H. See Stutz, H., 3951
Teshima, K.
—; Synthesis of Trimellitic Anhydride Microcapsule Toner by Liquid-Phase Separation, 3822
Teyssié, D. See Vidal, F., 3569
Thakur, S. A. See Goje, A. S., 3437
Thavornyutikarn, W. J. B.
—; New Route to the Preparation of Carboxymethylchitosan Hydrogels, 4016
Thomas, H. See Radetić, M., 379
Thomas, S. See Marykutty, C. V., 3173; Sujith, A., 2691
Tian, L.
—; Zhu, W.; Tang, X.: Polymer Gel Electrolytes Based on Thermoplastic Polyurethane, 2310
Tian, L.-Y.
—; Tang, X.-Z.; Ji, F.-X.: Solution Properties of a Hyamine Based on *N,N*-Dimethyl Diallyl Ammonium Chloride–Acrylamide Copolymer, 765
Tiangjunya, A. See Tanrattanakul, V., 261
Tıhmınlıoğlu, F. See Pehlivan, H., 3069
Tihminlioğlu, F. See Pehlivan, H., 352
Tinçer, T. See Banat, R., 488
Tobin, J. M. See Gibbs, G., 1073
Tolbert, L. See Abbett, K. F., 1113, 3876
Tomerova, B. See Vladkova, T. G., 2433
Tong, B.
—; Zhang, B.; Hu, J.; Dai, R.; Deng, Y.: Synthesis and Characterization of Side-Chain Liquid-Crystalline Ionomers Containing Quaternary Ammonium Salt Groups, 2879
Toppare, L. See Hacarlioglu, P., 776
Torre, L.
—; Frulloni, E.; Kenny, J. M.; Manferti, C.; Camino, G.: Processing and Characterization of Epoxy–Anhydride-Based Intercalated Nanocomposites, 2532
Toti, U. S. See Kittur, A. A., 2441
Troev, K.
—; Grancharov, G.; Tsevi, R.; Gitsov, I.: A Novel Catalyst for the Glycolysis of Poly(ethylene terephthalate), 1148
—; Grancharov, G.; Tsevi, R.; Gitsov, I.: Erratum to "A Novel Catalyst for the Glycolysis of Poly-(ethylene terephthalate)", 2301
Tsai, H.-B. See Tsai, R.-S., 2604
Tsai, H.-C. See Yen, M.-S., 2824
Tsai, P.-Y. See Yen, M.-S., 233
Tsai, R.-S.
—; Lee, D.-K.; Liu, Y.-C.; Tsai, H.-B.: Crystallization of a Thermoplastic Polyimide, 2604
Tsaih, M. L.
—; Chen, R. H.: Effect of Degree of Deacetylation of Chitosan on the Kinetics of Ultrasonic Degradation of Chitosan, 3526
Tsevi, R. See Troev, K., 1148, 2031
Tsuji, H.
—; Suzuyoshi, K.: Environmental Degradation of Biodegradable Polyesters. IV. The Effects of Pores and Surface Hydrophilicity on the Biodegradation of Poly(ε-caprolactone) and Poly (*R*)-3-hydroxybutyrate} Films in Controlled Seawater, 587
Tsutsumi, H. See Hadano, S., 2059; Lee, Y.-K., 1018
Tu, D. See Kao, K. C., 1864

Ülkü, S. See Pehlivan, H., 352, 3069
Ulutan, S.
—; Influence of Additional Thermal Stabilizers on the Reprocessing of Postconsumer Poly(vinyl chloride) Bottles, 3994
Unnikrishnan, G. See Sujith, A., 2691
Urayama, K. See Saikrasun, S., 518
Usanmaz, A.
—; Ateş, J.; Doğan, A.: Thermal and Mechanical Properties of Microwave- and Heat-Cured Poly(methyl methacrylate) Used as Dental Base Material, 251
Usha, K. M. See Scariah, K. J., 2517
Uyanik, N. See Taşkiran, I., 609

Valiegbal, K. See Mirmohseni, A., 2525
Vallés-Lluch, A.
—; Contat-Rodrigo, L.; Ribes-Greus, A.: Influence of Previous Annealing on First Stage of Degradation of Blends of Low-Density Polyethylene and Mater-Bi AF05H Aged in Soil: Comparative Thermal Analysis Study, 3359
Van Dyke, J. D.
—; Gnatowski, M.; Koutsandreas, A.; Burczyk, A.: A Study of Dynamic Vulcanization for Polyamide-12 and Chlorobutyl Rubber, 871
Van Mele, B. See De Clerck, K., 105
Varada Rajulu, A. See Ravi Prakash, S. D., 33

Varghese, M. See Kuriakose, A. P., 4084
Variankaval, N. E.
—; Rezac, M. E.; Abhiraman, A. S.: The "Cold-Solutioning" Phenomenon in Cellulose Triacetate–Acetone Mixtures, 1697
Varley, R. J. See Hussain, M., 3696
Vasanthan, N.
—; "Orientation Induced Memory Effect" in Polyamides and the Relationship to Hydrogen Bonding, 772
Vashisth, A. See Moharir, A. V., 1453
Vasileva, N. See Godjevargova, T., 1393
Vassileva, S. See Vladkova, T., 2734
Vázquez, A. See Alvarez, V. A., 3157
Vazquez, A. See Stefani, P. M., 2992
Vega, A. See Domingo, C., 3652
Venables, R. A. See Phochalam, N., 1655
Venkata Naidu, S. See Jayasimha Reddy, G., 2179
Verma, S. See Joshi, G. P., 430
Verstegen, E. J. K.
—; Faasen, J. H. P.; Stapert, H. R.; Duineveld, P. C.; Kloosterboer, J. G.: Influence of the Reaction Mechanism on the Shape Accuracy of Optical Components Obtained by Photoreplication, 2364
Vidal, F.
—; Popp, J.-F.; Plesse, C.; Chevrot, C.; Teyssié, D.: Feasibility of Conducting Semi-Interpenetrating Networks Based on a Poly(ethylene oxide) Network and Poly(3,4-ethylenedioxythiophene) in Actuator Design, 3569
Vijayalakshmi, S. P. See Guruvenket, S., 1618
Villani, V. See Gorrasi, G., 3338
Villar, M. A. See Marcovich, N. E., 2775
Villegas, S. See Rivas, B. L., 3556
Visconte, L. L. Y. See Castro, D. F., 2156; da Costa, H. M., 1519; Sereda, L., 421
Vishwa Prasad, A. See Singh, R. P., 1126
Vittoria, V. See Gorrasi, G., 3338
Vladkova, T.
—; Vassileva, S.; Natov, M.: Wood Flour: A New Filler for the Rubber Processing Industry. I. Cure Characteristics and Mechanical Properties of Wood Flour-Filled NBR And NBR/PVC Compounds, 2734
Vladkova, T. G.
—; Dineff, P.; Stojcheva, R.; Tomerova, B.: Ion-Plasma Modification of Polyvinylchloride Microfiltration Membranes, 2433
Vlasov, S. V. See Olkhov, A. A., 1471
Vo, T. See Moore, T. T., 1574
Vora, R. H. See Cheng, S.-X., 2187
Voytekunas, V. Y. See Abadie, M. J. M., 1096

Wallace, G. G. See Mirmohseni, A., 2525
Wang, B.
—; Zhao, J.: Studies on Preparation of Immersion-Type Polypropylene Fragrant Fiber. I. Formation of Matrix Fiber in the Melt-Spinning Process and Its Technique of Immersion Essential Oil, 1970
—; See Chaubal, M. V., 4021; Hu, Y., 1507
Wang, B.-T. See Liu, G.-D., 3690
Wang, C. See Li, S.-D., 1227
Wang, C.-G. See Hou, C., 2752
Wang, F. See Liu, B., 947
Wang, G.-G. See Xie, H.-Q., 830
Wang, H.
—; Sun, X.; Seib, P.: Properties of Poly(lactic acid) Blends with Various Starches as Affected by Physical Aging, 3683
—; See Wu, H., 1873; Wu, Y., 583
Wang, H.-H.
—; Lin, Y.-T.: Silicon-Containing Anionic Water-Borne Polyurethane with Covalently Bonded Reactive Dye, 2045
—; Wu, S.-P.: Synthesis of Thermally Stable Aromatic Poly(imide amide benzimidazole) Copolymers, 1435
Wang, H.-Y. See Liu, J.-H., 2969
Wang, J. See Yang, M., 786
Wang, L. See Ye, Z.-Y., 3737
Wang, M. See Ge, J., 2756
Wang, N. See Zeng, M., 1233
Wang, Q.
—; Song, C.; Lin, W.: Study of the Exfoliation Process of Epoxy–Clay Nanocomposites by Different Curing Agents, 511
Wang, Q.-R. See Pang, F.-J., 3430
Wang, R.
—; Wang, W.: Synergistic Effect of Dual Rubber System in Toughening Styrene Maleic Anhydride Copolymers, 2260
—; See Cheng, S.-X., 2187
Wang, S.
—; Hu, Y.; You, F.; Song, L.; Chen, Z.; Fan, W.: Self-Assembly of Polycarbonate/Acrylonitrile–Butadiene–Styrene/Montmorillonite Nanocomposites (Note), 1445
Wang, W. See Wang, R., 2260
Wang, X. See Liu, B., 947; Zhou, L., 916
Wang, X.-C. See Liu, X.-Y., 1879
Wang, Y. See Cao, X., 3325; Chang, Y., 2040; Chen, Y., 3609; Tang, J., 1053
Wang, Y.-T. See Zhang, S.-Q., 806
Wang, Z. See Zhu, C., 982
Wanjale, S. D.
—; Jog, J. P.: Effect of Modified Layered Silicates and Compatibilizer on Properties of PMP/Clay Nanocomposites, 3233
Wanke, S. E. See Zhou, J.-M., 1319
Wattanathai, B. See Tanrattanakul, V., 261
Wei, H.
—; Liang, H.; Zou, J.; Shi, W.: UV-Curable Powder Coatings Based on Dendritic Poly(ether-amide), 287
Wen, G.
—; An, L.: Pressure-Dependent Glass-Transition Temperatures of Poly(methyl methacrylate)/Poly(styrene-*co*-acrylonitrile) Blends, 959
Weng, Z. See Bao, Y., 3848
Weng, Z.-X. See Shan, G.-R., 3945
White, J. L. See Ahn, S., 1555; Kim, I., 3797; Kim, Y., 1581; Sasaki, A., 1839
Williams, M. C. See Chan, C. C. V., 4061
Wintermantel, E. See Baiardo, M., 1731
Wirsén, A. See Olander, B., 1378
Woicke, N. See Blumenstock, T., 1868
Wolf, C. J.
—; Transport and Solubility of Fluids into Polyphenylene Sulfide (PPS), 615
Wollny, A.
—; Nitz, H.; Faulhammer, H.; Hoogen, N.; Mülhaupt, R.: *In situ* Formation and Compounding of Polyamide 12 by Reactive Extrusion, 344
Woo, B. G. See Kim, I. S., 1088
Wool, R. See Eren, T., 197
Wu, F.-T. See Liu, J.-H., 2246
Wu, G. S. See Xu, G. C., 837

Wu, H.
—; Guo, S.; Chen, G.; Lin, J.; Chen, W.; Wang, H.: Ultrasonic Oscillations Effect on Rheological and Processing Properties of Metallocene-Catalyzed Linear Low Density Polyethylene, 1873
Wu, L. See Xiong, M., 1923
Wu, Q. See Zhou, L., 916
Wu, Q.-L.
—; Pan, D.: Scanning Tunnel Microscopy Study of Rayon-Based Carbon-Fiber Surfaces, 754
Wu, R. See Ge, J., 2756
Wu, S.-P. See Wang, H.-H., 1435
Wu, T. H. See Yang, J. M., 1331
Wu, W.
—; Yang, C. Q.: Correlation Between Limiting Oxygen Index and Phosphorus/Nitrogen Content of Cotton Fabrics Treated with a Hydroxy-Functional Organophosphorus Flame-Retarding Agent and Dimethyloldihydroxyethyleneurea, 1885
Wu, Y.
—; Dong, Y.; Zhou, H.; Ruan, Y.; Wang, H.; Zhao, Y.: Studies on the Critical Phase-Transition Behavior of Cholesteric *N*-Phthaloyl Chitosan/Dimethyl Sulfoxide Solutions by Five Techniques, 583
Wu, Y. G.
—; Chan, W. L.; Szeto, Y. S.: Preparation of *O*-Carboxymethyl Chitosans and Their Effect on Color Yield of Acid Dyes on Silk, 2500

Xia, W. Z. See Cook, W. D., 3753
Xia, Y. See Tang, J., 1053
Xiang, H. See Liu, X., 3291
Xiao, C.
—; Zhang, J.; Zhang, Z.; Zhang, L.: Study of Blend Films from Chitosan and Hydroxypropyl Guar Gum, 1991
Xiao, L. See Qin, C., 505
Xiaohui, Y.
—; Xiaoying, S.; Jianjun, C.; Yunhang, L.; Xinling, W.: Study of Hyperbranched Poly(glycidol) Sulfate Electrolyte, 1185
Xiaoying, S. See Xiaohui, Y., 1185
Xie, H.-Q.
—; Li, X.-D.; Guo, J.-S.: Hydrogenation of Nitrile–Butadiene Rubber Latex to Form Thermoplastic Elastomer wtih Excellent Thermooxidation Resistance, 1026
—; Wang, G.-G.; Guo, J.-S.: Behavior of Polyoxyethylene-Containing Interpenetrating Polymer Networks and their $LiClO_4$ Complexes as Phase Transfer Catalysts and Ionic Conductors, 830
Xie, J.-J. See Liu, Y., 3481
Xie, T. See Xu, G. C., 837
Xie, X.-M. See Zhang, J., 1851
Xie, Z. See Li, Y., 306
Xinling, W. See Xiaohui, Y., 1185
Xiong, M.
—; Gu, G.; You, B.; Wu, L.: Preparation and Characterization of Poly(styrene butylacrylate) Latex/Nano-ZnO Nanocomposites, 1923
Xiong, Y.
—; Boey, F. Y. C.; Rath, S. K.: Kinetic Study of the Curing Behavior of Bismaleimide Modified with Diallylbisphenol A, 2229
Xu, C. See Li, Y., 306
Xu, G. C.
—; Li, A. Y.; Zhang, L. D.; Wu, G. S.; Yuan, X. Y.; Xie, T.: Synthesis and Characterization of Silica Nanocomposite *In Situ* Photopolymerization, 837
Xu, J. See Chi, Z., 1045
Xu, J. B.
—; Bartley, J. P.; Johnson, R. A.: Preparation and Characterization of Alginate Hydrogel Membranes Crosslinked Using a Water-Soluble Carbodiimide, 747
Xu, J.-T.
—; Guan, F.-X.; Yasin, T.; Fan, Z.-Q.: Isothermal Crystallization of Metallocene-Based Polypropylenes with Different Isotacticity and Regioregularity, 3215
Xu, K. See Li, S.-D., 1227
Xu, P.-Y. See Shan, G.-R., 3945
Xu, Q. See Chang, Y., 2040; Zhu, G., 1589
Xu, R. See Ding, X., 3503
Xu, S. See Yang, M., 786
Xu, T. See Fu, R., 572
Xu, W.
—; Zhu, X.; Cheng, Z.; Chen, J.: Atom Transfer Radical Polymerization of Lauryl Methacrylate, 1117
Xu, X. See Hu, L., 2010

Yaacoub, E. See Al-Bagoury, M., 2091
Yamada, K.
—; Yamane, H.; Kumada, K.; Tanabe, S.; Kajiyama, T.: Plasma-Graft Polymerization of a Monomer with Double Bonds onto the Surface of Carbon Fiber and Its Adhesion to a Vinyl Ester Resin, 2415
Yamane, H. See Yamada, K., 2415
Yamasaki, H. See Hadano, S., 2059
Yan, H. See Yu, W., 1206
Yan, M. See Li, W., 2333
Yan, Z.
—; Deng, Y.: Water-Soluble/Dispersible Cationic Pressure-Sensitive Adhesives. I. Adhesives from Solution Polymerization, 1624
Yang, C. Q. See Wu, W., 1885
Yang, D. See Peng, G., 115
Yang, G. See Cao, X., 3325
Yang, H. C. See Chen-Yang, Y. W., 1357
Yang, H.-S. See Shieh, Y.-T., 4032
Yang, J. See Liu, X., 3291; Zhou, L., 916
Yang, J. M.
—; Lin, H. T.; Wu, T. H.; Chen, C.-C.: Wettability and Antibacterial Assessment of Chitosan Containing Radiation-Induced Graft Nonwoven Fabric of Polypropylene-*g*-Acrylic Acid, 1331
Yang, M.
—; Xu, S.; Wang, J.; Ye, H.; Liu, X.: Synthesis, Characterization, and Electroluminescent Properties of a Novel Perylene-Containing Copolyimide, 786
Yang, W. See Fu, R., 572
Yang, Y.
—; Huda, S.: Comparison of Disperse Dye Exhaustion, Color Yield, and Colorfastness Between Polylactide and Poly(ethylene terephthalate), 3285
—; See Noh, S. K., 2469
Yang, Y. R. See Huo, C., 1463
Yao, K. J. See Song, M., 3239
Yao, S. See Asano, Y., 2428
Yao, S.-J. See Lei, Y.-L., 2848
Yasin, T. See Xu, J.-T., 3215
Yasuda, H. K.
—; Lin, J. N.: Small Bubbles Oxygenation Membrane, 387
Ye, C. See Chen, Y., 3790
Ye, H. See Yang, M., 786
Ye, Z.-Y.
—; Wang, L.; Jiang, S.: Study on Propene Polymerization Using a Novel Spherical Ziegler-Natta Catalyst and Its Kinetics, 3737
Yeh, J.-T. See Chen, J.-C., 1662; Lai, J.-Z., 3578
Yen, C.-C. See Chen, C.-H., 1996

Yen, M.-S.
—; Chen, P.-Y.; Tsai, H.-C.: Synthesis, Properties, and Dyeing Application of Nonionic Waterborne Polyurethanes with Different Chain Length of Ethyldiamines as the Chain Extender, 2824
—; Tsai, P.-Y.: Study on Polyethylene Glycol/Polydimethylsiloxane Mixing Soft-Segment Waterborne Polyurethane from Different Mixing Processes, 233
Yeow, M. L.
—; Liu, Y. T.; Li, K.: Isothermal Phase Diagrams and Phase-Inversion Behavior of Poly(vinylidene fluoride)/Solvents/Additives/Water Systems, 2150
Yerlikaya, Z.
—; Aksoy, S.; Bayramli, E.: Structure and Properties of Fully Aromatic Thermotropic Liquid-Crystalline Copolyesters Containing *m*-Hydroxybenzoic Acid Units, 3260
Yeum, J. H. See Lyoo, W. S., 227
Yildirim, H. See Sarac, A., 537
Yıldız, A. See Özçiçek, N. P., 3417; Şahin, Y., 2163
Yilmaz, L. See Hacarlioglu, P., 776
Yim, J.-H.
—; Lyu, Y.-Y.; Jeong, H.-D.; Mah, S. K.; Hyeon-Lee, J.; Hahn, J.-H.; Kim, G. S.; Chang, S.; Park, J.-G.: Preparation of Siloxane–Silsesquioxane Hybrid Thin Films for Large-Scale-Integration Interlayer Dielectrics with Excellent Mechanical Properties and Low Dielectric Constants, 626
Yin, J. See Liang, Z.-M., 1857
Ying, L. See Hou, C., 2752
Yip, C. W. See Liu, X.-Y., 1879
Yoo, Y. T. See Park, C., 2708
Yoon, C.-H.
—; Shin, J.-S.; Cheong, I.-W.; Lee, D.-Y.; Park, Y.-J.; Kim, J.-H.: Effect of Interfacial Crosslinking on Miscibility Behavior Between Isocyanate-Functionalized Poly(*n*-butyl methacrylate) Particles and Carboxylic Alkali-Soluble Resin, 792
Yoon, J.-S. See Moon, W.-S., 1797, 2933; Park, E.-S., 1802
Yoon, J. Y. See Kim, J. H., 2200
Yoon, N. S. See Lyoo, W. S., 227
Yoon, S. G. See Kim, S. J., 1389
Yoon, S.-W.
—; Chung, D. J.; Kim, J.-H.: Preparation and Swelling Behavior of Biodegradable Hydrogels Based on α,β-Poly(*N*-2-hydroxyethyl-DL-aspartamide), 3741
Yoon, T.-H. See Roh, J. H., 2508
Yoshida, Y. See Kumar, D. S., 1102
You, B. See Xiong, M., 1923
You, F. See Wang, S., 1445
Yousefi, A. A.
—; Polyethylene Dispersions in Bitumen: The Effects of the Polymer Structural Parameters, 3183
Yu, D. See Ding, X., 3503
Yu, L.
—; He, Y.; Bin, L.; Yue'e, F.: Study of Radiation-Induced Graft Copolymerization of Butyl Acrylate onto Chitosan in Acetic Acid Aqueous Solution, 2855
Yu, Q. See Zhu, G., 1589
Yu, W.
—; Postle, R.; Yan, H.: Characterization of the Weak Link of Wool Fibers, 1206
Yuan, C. Y. See Chen-Yang, Y. W., 810, 1357
Yuan, X. Y. See Xu, G. C., 837
Yue, C. Y. See Joshi, S. C., 3314
Yue'e, F. See Yu, L., 2855
Yunhang, L. See Xiaohui, Y., 1185
Yunus, W. Md. Z. W. See Janarthanan, P., 2053

Zaikov, G. E. See Kozlov, G. V., 1202; Olkhov, A. A., 1471
Zainol, I.
—; Day, R.; Heatley, F.: Comparison Between the Thermal and Microwave Curing of Bismaleimide Resin, 2764
Zandi, M. See Mahdavian, A.-R., 1648
Zanetti, M.
—; Pizzi, A.: Upgrading of MUF Polycondensation Resins by Buffering Additives. II. Hexamine Sulfate Mechanisms and Alternate Buffers, 215
—; See Kamoun, C., 203
Zarzyka-Niemiec, I. See Lubczak, J., 3390
Zebarjad, S. M.
—; Bagheri, R.; Seyed Reihani, S. M.; Lazzeri, A.: Deformation, Yield and Fracture of Elastomer-Modified Polypropylene, 3767
Zeng, M.
—; Zhang, L.; Wang, N.; Zhu, Z.: Miscibility and Properties of Blend Membranes of Waterborne Polyurethane and Carboxymethylchitin, 1233
Zenka, M. See Hussain, M., 3696
Zhan, Y. R. See Zheng, H., 3676
Zhang, B. See Tong, B., 2879; Zhang, Y., 3625
Zhang, B. H. See Guo, T. Y., 1290
Zhang, C. See Chen, Y., 3609; Liao, L. Q., 2657; Zhu, Q., 310
Zhang, G. Q.
—; Zhou, M. H.; Ma, J. H.; Liang, B. R.: Preparation and Swelling Properties of Solution Crosslinked Poly(*cis*-1,4-butadiene) Gels, 2241
Zhang, J.
—; Feng, S.: Temperature Effects of Electrical Resistivity of Conductive Silicone Rubber Filled with Carbon Blacks, 3889
—; Sun, M.-W.; Zhang, L.; Xie, X.-M.: Water Absorbency of Poly(sodium acrylate) Superabsorbents Crosslinked with Modified Poly(ethylene glycol)s, 1851
—; See Liu, C., 1267; Xiao, C., 1991
Zhang, L. See Cao, X., 3325; Chen, Y., 3790; Gao, S., 1948, 2224; Liu, M., 3299; Pan, M., 643; Xiao, C., 1991; Zeng, M., 1233; Zhang, J., 1851
Zhang, L.-C. See Liu, G.-D., 3690
Zhang, L. D. See Xu, G. C., 837
Zhang, M. See Guo, C., 1515
Zhang, S.
—; Cheng, L.; Hu, J.: NMR Studies of Water-Borne Polyurethanes, 257
—; Horrocks, A. R.: Substantive Intumescence from Phosphorylated 1,3-Propanediol Derivatives Substituted on to Cellulose, 3165
Zhang, S.-Q.
—; Wang, Y.-T.; Tang, Y.-R.: Studies of Some Ultratrace Elements in Antarctic Water via Crown Ether Crosslinked Chitosan, 806
Zhang, W. See Javni, I., 3333; Li, X.-G., 3631
Zhang, W.-A.
—; Shen, X.-F.; Liu, M.-F.; Fang, Y.-E.: Synthesis and Thermal Properties of Polystyrene/Montmorillonite Nanocomposites by γ-Ray Radiation Polymerization, 1692
Zhang, X.
—; Bai, R.: Immobilization of Chitosan on Nylon 6,6 and PET Granules Through Hydrolysis Pretreatment, 3973
—; Min, B. G.; Kumar, S.: Solution Spinning and Characterization of Poly(vinyl alcohol)/Soybean Protein Blend Fibers, 716

Zhang, X.-Y. See Liu, Y., 3481
Zhang, Y.
—; Guo, T.; Hao, G.; Song, M.; Zhang, B.: Nanosize Polymer Latices Made by Microemulsion Copolymerization: Preparation and Characterization, 3625
—; Rodrigue, D.; Ait-Kadi, A.: High Density Polyethylene Foams. II. Elastic Modulus, 2120
—; Rodrigue, D.; Ait-Kadi, A.: High Density Polyethylene Foams. III. Tensile Properties, 2130
—; Rodrigue, D.; Ait-Kadi, A.: High-Density Polyethylene Foams. I. Polymer and Foam Characterization, 2111
—; Rodrigue, D.; Ait-Kadi, A.: High Density Polyethylene Foams. IV. Flexural and Tensile Moduli of Structural Foams, 2139
—; See Liu, G.-D., 3690
Zhang, Z. See Li, Y., 306; Qin, C., 505; Xiao, C., 1991; Zhu, C., 982
Zhang, Z.-Y.
—; Facilitated Oxygen Transport in a Novel Silicone Polymer Membrane Containing Carboxylic Cobalt Groups, 1038
Zhao, J. See Wang, B., 1970
Zhao, Q. See Chang, Y., 2040
Zhao, W.
—; Chua, Y. C.; Lu, X.: Effect of Interfacial Interaction on Rheological Behavior of Blends of a Semiflexible Liquid-Crystalline Polyester and Polycarbonate, 3051
Zhao, X.
—; Cai, Q.; Shi, G.; Shi, Y.; Chen, G.: Formation of Ordered Microporous Films with Water as Templates from Poly(D,L-lactic-*co*-glycolic acid) Solution, 1846
—; See Liu, B., 947
Zhao, Y. See Wu, Y., 583
Zhao, Z. See Chaubal, M. V., 4021
Zheng, H.
—; Tan, Z.; Zhan, Y. R.; Huang, J.: Morphology and Properties of Soy Protein Plastics Modified with Chitin, 3676
—; See Hu, Y., 1507
Zheng, X. See Hu, Y., 1507
Zheng, Z. See Li, Y., 306
Zheng, Z.-H. See Liu, X.-Y., 1879
Zhong, C.
—; Gao, M.; Mao, B.: Effect of High Polymerization Temperature on the Microstructure of Isotactic Polypropylene Prepared Using Heterogeneous $TiCl_4/MgCl_2$ Catalysts, 3980
Zhou, C. See Qi, R., 1249
Zhou, H.
—; Li, D.: Computer Simulation of the Filling Process in Gas-Assisted Injection Molding Based on Gas-Penetration Modeling, 2377
—; See Wu, Y., 583
Zhou, J. See Deng, M., 3882
Zhou, J.-M.
—; Li, N.-H.; Bu, N.-Y.; Lynch, D. T.; Wanke, S. E.: Gas-Phase Ethylene Polymerization over Polymer-Supported Metallocene Catalysts, 1319
Zhou, L.
—; Wang, X.; Lin, Y.; Yang, J.; Wu, Q.: Comparison of the Toughening Mechanisms of Poly(vinyl chloride)/Chlorinated Polyethylene and Poly(vinyl chloride)/Acrylonitrile–Butadiene–Styrene Copolymer Blends, 916
Zhou, M. H. See Zhang, G. Q., 2241
Zhou, N. See Cheng, Z., 1532
Zhou, P. See Liu, J., 1108, 3457
Zhou, X.
—; Liu, P.: Study on Antistatic Modification of Polyurethane Elastomer Surfaces by Grafting with Vinyl Acetate and Antistatic Agent, 3617
Zhou, Z.
—; Liu, S.; Chu, L.; Gu, L.: Fractal Analysis of Worn Surfaces of ZnO Whisker/Natural Rubber-Styrene Butadiene Rubber-Butyl Rubber Composites, 667
Zhu, C.
—; Zhang, Z.; Liu, Q.; Wang, Z.; Jin, J.: Synthesis and Biodegradation of Aliphatic Polyesters from Dicarboxylic Acids and Diols, 982
Zhu, G.
—; Liang, G.; Xu, Q.; Yu, Q.: Shape-Memory Effects of Radiation Crosslinked Poly(ϵ-caprolactone), 1589
Zhu, Q.
—; Feng, S.; Zhang, C.: Synthesis and Thermal Properties of Polyurethane–Polysiloxane Crosslinked Polymer Networks, 310
Zhu, W. See Tian, L., 2310
Zhu, X. See Cheng, Z., 1532; Xu, W., 1117
Zhu, Z. See Zeng, M., 1233
Zhu, Z.-Q. See Lei, Y.-L., 2848
Zhuang, Y. See Peng, S., 4054
Zhuo, R. X. See Liao, L. Q., 2657
Zohuriaan-Mehr, M. J. See Pourjavadi, A., 3115
Zope, V. S. See Mishra, S., 3305
Zou, J. See Wei, H., 287
Zou, Y. See Li, W., 2333

Journal of Applied Polymer Science

Subject Index—Volume 90

Acid Green 25, 1073
Acoustic emission, 3638
Acrylonitrile–butadiene–styrene, 2643
Activation energy, 635, 947, 1519, 1648, 2179, 2441, 2721, 3100, 3305, 3631, 3922
Actuators, 3569
Additives, 306, 991, 1126, 1486, 1609, 2150, 2752, 3497, 3965
Adhesion, 1825, 2415, 2508, 3780
Adhesive deposit, 436
Adhesives, 203, 215, 1624, 2987
Adsorption, 80, 379, 505, 700, 799, 806, 973, 1108, 1970, 2034, 2194, 3806
Ageing, 278, 3191
Agglutination, 3965
Aging, 559, 3683
Aliphatic polyester, 982
Alkali treatment, 1604
4-(4-alkoxybenzyloxy)-4′-allyloxy-biphenyl, 2879
Amino acids, 594
Amorphous, 3652
Amorphous polymers, 1670
Amphiphilic, 1879
Aniline, 2163
Anionic copolymerization, 3797
Anionic polymerization, 344
Annealing, 186, 3359
Antibacterial activity, 1331
Antimicrobial activities, 3244
Antioxidants, 306, 1631
Aromatic separation, 3912
Association, 4000
Atactic, 2206
Atom transfer radical polymerization (ATRP), 1117, 1532
Atomic force microscopy, 544, 2310, 2348
Atomic force microscopy (AFM), 1242, 1985
ATR-FTIR, 1959
Aurum, 2604
Azides, 1096
Aziridinyl curing agent, 3578

Barrier, 2727, 2938, 3100, 3497
Bending, 91
Benzoxazine, 470
Biocompatibility, 1618
Biodegradable, 525, 587, 650, 1802, 1900, 1948, 2053, 2708, 2756, 3157, 3683, 3741, 3790
Biodegradable polymers, 4021
Biodegradation, 982, 1009
Bioengineering, 2933
Biofibers, 3638
Biological applications of polymers, 1797
Biomaterials, 587, 2500, 2933, 3741
Biopolymers, 379, 1108, 2870
Bis(3-hydroxypropyl terephthalate) (BHPT), 2200
Bis(4-hydroxybutyl terephthalate) (BHBT), 2200
Blend, 49, 2040, 2260, 3325
Blend fibers, 716
Blend films, 1991
Blending, 233, 1515, 1797, 1970, 3430, 3928
Blends, 1, 278, 412, 841, 871, 933, 959, 1001, 1233, 1471, 1507, 1545, 1655, 1772, 2156, 2303, 2322, 2348, 2391, 2408, 2420, 2475, 2643, 2691, 2887, 2906, 2919, 3051, 3059, 3076, 3087, 3338, 3512, 3676, 3872, 4054
Blends compatibility, 2955
Block copolymers, 1670, 2358, 2785, 3076, 3797
Block copolymers, polyethylene, polystyrene, 2303
Blocked PU–UP, 1996
Blowing agent, 2992
Branch distribution, 722
Branched, 577, 2648
Butyl acrylate, 537, 2855

Cane sugar juice, 316
Caprolactone, 2657
Carbon black, 1980, 3889
Carbon black agglomerates, 3965
Carbon fiber, 2268
Carbon fibers, 2676
Carboxylic acid additive, 1555
Carboxymethylchitosan, 4016
Carriers, 3896
Cassia fora gum, 129
Catalysis, 370, 1148, 1398, 3737
Catalysts, 895, 2813, 3437, 3532, 3980
Cathode ray tube, 1156
Cation exchangers, 97
Cationic polymerization, 1830
Cellulose, 22, 2034, 2848, 3020, 3165
Cellulose acetate, 1697
Cellulosic membranes, 3912
Chain, 722, 1357, 2485
Chain extender, 2945
Chain extension, 1066
Char, 3165
Chemical doping, 3876
Chiral, 1018, 2246
Chitin, 2870
Chitosan, 1073, 1991, 2855, 2870, 3526
Chlorinated polymers, 1581
Chlorination, 1173
Chlorpyrifos, 451
Chromatography, 1081, 2727
Chromium (VI), 505
Clay, 511, 1581, 2276, 2629, 4075
Clay nanocomposites, 458
Coating, 387
Coatings, 799, 1365, 1748, 1923, 2485, 2508, 3934, 3973
Cohesion, 3965
Cold plasma, 379, 1618, 2415
Colloid, 3811
Colloids, 316
Colorfastness, 3285
Comonomers, 3437
Compatibility, 841, 1365, 1772, 3822
Compatibilization, 1009, 2303, 2322, 2391, 2408, 2643, 2775, 2919, 3087, 3233, 3512
Compatibilizer, 824
Composite, 3222
Composite matrix, 2848
Composites, 352, 518, 544, 667, 810, 1009, 1113, 1267, 1337, 1445, 1574, 1900, 1932, 1996, 2268, 2415, 2557, 2609, 2676, 2715, 2775, 3069, 3141, 3466, 3588, 3602, 3811, 3876
Compounding, 327, 1581, 1631, 2734, 3718
Compression, 2557
Computer modeling, 1868
Concentration profile, 739
Condensation, 482
Conducting composite, 2525
Conducting polymer, 40, 49, 2460, 3827
Conducting polymers, 63, 430, 497, 706, 819, 830, 940, 1113, 1185, 2310, 2634, 3417, 3730, 3876
Conductive composite, 2073
Conductivity, 1058, 1980
Cone calorimetry, 3696
Conformational change, 465
Conjugated polymers, 3569
Contact angle titration, 1985
Controlled release, 4021
Copolymer, 706
Copolymerization, 233, 244, 577, 765, 947, 1018, 1032, 1319, 1802, 2163, 2179, 2187, 2229, 2337, 2469, 2634,

2708, 2721, 3347, 3417, 3481, 3563, 3625, 4068
Copolymers, 3299
Copoly(VPi/VAc), 227
Copper, 706
Core–shell, 905
Core–shell polymers, 1825
Core–shell structured particles, 1290
Core-shell polymers, 643
Cotton, 1885
Covalent bonds, 2045
Crash worthiness, 3222
Craze, 2260
Creep, 1298, 3191, 3780, 3882
Crosslinking, 168, 310, 412, 470, 488, 505, 577, 635, 658, 716, 747, 806, 1202, 1398, 1589, 1618, 1662, 1793, 1802, 1851, 1891, 2010, 2073, 2103, 2156, 2288, 2364, 2420, 2834, 2969, 3141, 3173
Cross-linking, 3481
Crosslinking, 3708, 3780, 3945, 4009, 4016
Crosslinking thermosets, 3951
Crystal, 886
Crystallization, 175, 525, 615, 681, 772, 824, 861, 1026, 1708, 2288, 2604, 2906, 3338, 3409, 3445, 3503, 3957, 3980, 4054
Crystallization kinetics, 2003
Cure modification, 3835
Cured natural rubber, 297
Curing, 2229, 2665, 3059
Curing agent, 511
Curing of polymers, 1202, 1497, 1631, 1739, 1868, 2834, 4084
Cyanate ester, 1596
Cyclic voltammetry, 1783
Cyclotriphosphazenes, 1357

DAS, 1156
Deep-UV, 1032
Degradation, 577, 587, 1126, 1173, 1839, 2255, 2420, 2578, 2609, 2721, 2969, 3150, 3157, 3532, 3546, 3631, 3951
Degree of deacetylation, 3526
Degree of ethoxylation, 537
Denaturation, 716
Dendritic poly(ether-amide), 287
Density, 12, 1639, 2111
Dental polymers, 251
Diazonaphthoquinone, 2293
Dicarboxylic acid, 982
Dicing tape, 436
Dielectric barrier discharge, 1985
Dielectric properties, 626, 729, 1191, 3602
Differential scaning calorimetry, 1163
Differential scanning calorimetry, 105, 681, 871, 3012, 3359, 3409
Differential scanning calorimetry (DSC), 583, 841, 861, 1648, 1678, 2083, 2508, 2517, 2721, 3445, 3957
Diffusion, 122, 615, 905, 1389, 1609, 2727, 3100, 3338, 3497, 3806
Dimensional stability, 3588
Dimethyl 2,6-naphthalene dicarboxylate, 3473
Dimethyloldihydroxyethyleneurea, 1885
3,3′-dinitrobenzidine, 1435
Diol, 982
Dispersion, 3135
Dispersions, 3026, 3183, 3285
Display screening, 1156
Drawing, 1955
Drug delivery, 1683, 4021
Drug delivery systems, 137, 3270, 3660
Drug release, 658, 2214
Dry bonding system, 544
DSC, 261
d spacing, 1581
Dye, 786
Dyes, 105
Dyes/pigments, 2045, 3285, 3668, 3806, 3896
Dynamic mechanical, 792
Dynamic vulcanization, 824

Elastomeric films and coatings, 658
Elastomers, 261, 1026, 1378, 1631, 2156, 2224, 2676, 2715, 3519, 3617, 3767
Electrical conductivity, 3965
Electrical polarization, 3107
Electroactive materials, 2525
Electrochemistry, 819, 2634, 3417
Electrochemistry, copolymerization, 2460
Electron beam irradiation, 2453
Electron beam radiation, 2073
Electron microscopy, 871, 2156
Electropolymerization, 1783
Electrorheology, 458
Emulsifier-free latex, 1290
Emulsion blend, 2027
Emulsion polymerization, 537, 643, 1213, 1825, 2091, 2593, 2785, 3625, 3811
Encapsulation, 297
Ene reaction, 197
Energy dissipation, 1298
Enzymes, 1917
Epoxides, 2485
Epoxidized rice bran oil, 4084
Epoxy, 2992
Epoxy blends, 3384
Epoxy molding compounds (EMC), 2508
Epoxy resin, 1596, 1980
Equilibrium melting temperature, 3215
Equivalent radius, 2979
ESCA/XPS, 1378
ESR, 2684
Esterification, 155, 197
Ethanol–water mixtures, 2255
Ethylacrylate, 2593
Eucalyptus oil, 1102
Exfoliation, 511, 3026
Expanded bed adsorption, 2848
Extrusion, 1545, 1808, 3519

Facilitated oxygen transport, 11-alkene acid cobalt, 1038
Failure, 3638
Fatigue, 3239
Fenvelarate, 451
FEP, 2572
Fibers, 105, 360, 379, 399, 754, 973, 1206, 1337, 1453, 1624, 1917, 1941, 1955, 1970, 2194, 2288, 2415, 2557, 2752, 3165, 3430, 3466, 3536, 3646, 3806, 3896, 3934
Filler, 1365, 2156
Filler treatment, 2073
Fillers, 278, 421, 1447, 1716, 2938
Films, 143, 559, 1825, 1846, 1959, 2246, 2727, 2938, 3609, 3872
Flame retardance, 810, 1357, 3165, 3696
Flame-retardant finishing, 1885
Flocculation, 316
Fluorescence, 2103
Fluorine-containing acrylate, 3609
Fluoropolymers, 278, 2021
Foam, 1412, 2992
Fourier transform IR, 963
Fractal, 22, 667
Fractal dimension, 3338
Fracture, 2740, 3638
Fracture toughness, 2268
Free radical polymerization, 693
Frequency multiplexing, 1347
FTIR, 700, 747, 1163, 1851, 1932, 2010, 2508
FT-IR, 2794
FT-IR, host-guest systems, 2103
FTIR spectroscopy, 772
FT-Raman spectroscopy, 3646
Functionalization, 1985
Functionalization of polymers, 853, 1797, 2034, 3594
Functionalized polymers, 2933
Fuoss equation, 765

γ-aminopropyltriethoxysilane (APTS), 4009
γ-Ray irradiation, 2855
γ-ray radiation, 1692
Gas channel, 2979
Gas permeation, 399, 1574, 2187, 2727

Gas separation, 776
Gas separation membrane, 1038, 2010
Gas-phase ethylene polymerization, 1319
Gel permation chromatography, 594
Gel permeation chromatography, 1163
Gel permeation chromatography, differential scanning calorimetry, 2358
Gel permeation chromatography (GPC), 1497, 2083, 3532
Gelation, 1808, 1830, 3660, 3856, 4000
Gels, 334, 1267, 1477, 2241, 3481, 4000
Glass, 3222
Glass transition, 105, 251, 412, 759, 881, 959, 1191, 1692, 1731, 2045, 2059, 2987, 3753, 4032
Glass transition temperature, 905
Glass-transition, 3037
Glass-transition temperature, 12, 1596, 2665
Glucose oxidase, 1393
Glycerin, 886
Glycolysis, 1148
Graft copolymer, 40, 1900, 3115
Graft copolymerization, 2855
Graft copolymers, 129, 143, 572, 1001, 1163, 1249, 1331, 1839, 2034, 2053, 2059, 3617, 3827, 3856
Grafting, 149, 1227, 3402
Growth, 3191

Hardness, 1793
Heparin and immunoglobulin immobilization, 1985
Heteroatom-containing polymers, 63, 3390
Heterogeneous polymers, 954
High performance liquid chromatography, 3835
High performance liquid chromatography (HPLC), 1917
High-performance liquid chromatography, 1018
High-performance liquid chromatography (HPLC), 2517
High-temperature materials, 754
Hildegardia, 1604
Hole injection, 1864
Humidity, 1574
Hydrogel, 86, 91, 3310
Hydrogels, 137, 168, 530, 747, 1384, 1477, 1683, 2385, 2449, 3020, 3032, 3115, 3270, 3660, 3741, 3856, 4009, 4016
Hydrogen bond, 1991
Hydrolysis, 149, 3252, 3973
Hydrolyzed polyacrylonitrile, 1393
Hydrophilic polymers, 257, 747, 895, 1477, 1618, 2708
Hydroxyl group, 3912
Hydroxypropyl guar gum, 1991
Hyperbranched, 1185, 3905

IIR/EPDM blends, 1539
2-iminothiorane hydrochloride, 3646
Immiscibility, 933
Immobilization, 155
Impact resistance, 643, 1421, 2919
Impact resistant, 2260
In situ blend formation, 344
Inclusion chemistry, 2103
Influence of particle size, 1073
Influence of pH, 1073
Infraed spectroscopy, 1885
Infrared spectroscopy, 565, 2337
Initiator, 129, 3546
Initiators, 227, 1249
Injection molding, 2377
Inorganic polymers, 626
Inorganic/organic ratio (IOR), 3896
Insulating polymers, 1864
Interaction parameter, 3912
Intercalation, 3026, 3208
Interfaces, 1864, 2377, 3051, 4061
Interfacial crosslinking, 792
Interfacial polarization, 3602
Interfacial polymerization, 2618
Internal stress, 1066
Interpenetrating networks (IPN), 881, 1191, 1384, 1948, 3032, 3569
Interpenetrating networks (IPNs), 122
Interpenetrating polymer network beads, 451
Interpenetrating polymer network (IPN), 3310
Interpenetrating polymer networks (IPN), 86, 91, 1389
Interpentrating networks (IPNs), 412
Intramolecular chain reaction, 886
Intumescents, 3165
Inverse gas chromatography, 671
Iodine doping, 1102
Ion beam irradiation, 2010
Ion exchangers, 3556
Ionic conduction, 1864
Ionic hydrogels, 2214
Ionomers, 257, 635, 2715
IPNs (see networks), 830
IR spectroscopy, 2485
Iron-containing, 306
Irradiation, 115, 137, 565, 572, 1331, 2578, 2861, 3270, 3660
Isocyanate-functionalized, 792
Isocyanurate, 963
Isophorone diisocyanate, 257
Isopropyl alcohol, 3912
Isotactic, 2206
Isotactic polypropylene, 3215
Isotacticity, 3215
Isothermal crystallization, 3215

Jute, 3588

Kalman filter, 1273
Kinetic, 1996, 2241
Kinetic study, 2229
Kinetics, 86, 1678, 2485, 2532, 2572, 3012, 3409, 3546, 3690
Kinetics and particle nucleation, 2593
Kinetics (polym.), 1096, 1117, 1783, 2066, 2091, 2834, 3437, 3445, 3532, 3737
Konjac glucomannan, 2224

Lamellar, 2400
LaRC™-PETI-5, 1906
Latex, 905
Latexes, 658, 3987
Latices, 1026, 1748, 3609, 3625
Layered silicate, 2316
Light scattering, 292
Light-emitting diodes, 786
Lignin, 1163
Lignocellulose fabric, 1604
Lignocellulosic materials, 97
LImiting oxygen index, 1885
Limiting oxygen index (LOI), 1357
Linear and star polyethylenes, 2648
Lipase, 155
Liquid crystal, 22
Liquid crystalline polymer (LCP), 1045
Liquid crystalline polymers, 3314
Liquid polybutadiene, 3135
Liquid-crystalline ionomers, 2879
Liquid-crystalline polymer, 3260
Liquid-crystalline polymers, 518, 1932
Liquid-crystalline polymers (LCP), 1337, 3051, 3093
Lithography, 1032
Living polymerization, 1117, 1532
Lower critical solution temperatures (LCST), 3563
Low-voltage scanning TEM, 3087

Macroporous polymer, 1108, 3708
Macroporous polymers, 925
Magnetic, 1879
MALDI, 497, 2540
MALDI, mechanical properties, 3122
Maleic anhydride–acrylic acid (MA–AA) copolymer, 4009
Mass spectrometry, 2540
Mastic, 1347
Mathematical model, 1996
Matrix, 3708
Mechanical, 1539
Mechanical properties, 175, 251, 261, 278, 421, 488, 518, 658, 841, 871, 973, 1191, 1427, 1596, 1604, 1631, 1639, 1731, 1802, 1830, 1891, 1900, 1941, 1955, 2045, 2120, 2130, 2139,

2348, 2364, 2475, 2557, 2583, 2609, 2618, 2629, 2665, 2775, 2824, 2887, 2945, 2992, 3020, 3107, 3173, 3278, 3359, 3384, 3466, 3767, 3790
Mechanical property, 12
Medical tape, 2027
Melamine, 482
Melt, 1808, 1970, 2322, 3183, 3536, 4061
Melt intercalation, 1857
Melting, 681, 772
Melting behavior, 2003
Melting temperature, 886
Membrane, 2255, 3374, 3912
Membranes, 122, 149, 244, 387, 399, 572, 747, 776, 1173, 1233, 1574, 2441, 2618, 3747
Memory/effect, 772
Metal ions, 530
Metal removal, 2034
Metal–polymer complexes, 370, 63, 650, 700, 799, 895, 1708, 2684, 3244, 3556, 3602
Metallocene, 3215
Metallocene catalysts, 1319, 1515, 1655, 2469
Metal-polymer complex, 1108
Metal-polymer complexes, 2083
Metanilic acid (*m*-aminobenzene sulfonic acid), 2163
Methylmethacrylate, 2593
Micelles, 2066
Microcellular, 1412
Microcracking, 2268
Microencapsulation, 3822
Microgels, 1678, 2785
Microhardness, 1670
Microporous polyimide membrane, 292
Microsphere, 1879
Microstructure, 115, 722, 1412, 1955, 3076, 3384, 3602, 3980, 4061
Microwaves, 2657
Miniemulsions, 3987
Miscibility, 33, 137, 792, 1991, 2906, 2987, 3051, 3338, 4054
Mixed solvent, 465
Mixing, 430
Modeling, 1213, 1463, 1716, 1891, 2120, 2229, 2400, 3012
Modification, 80, 129, 609, 1839, 2059, 2194, 2322, 2453, 2503, 3291, 3617, 3646
Modified BMI, 2229
Modulus, 759, 1793, 2120, 2130, 2139, 3233
Moldability index, 2979
Molding, 2549, 2557
Molding window, 2979
Molecular architecture, 1670
Molecular dynamics, 759, 1191
Molecular imprinting, 1081
Molecular transport, 739
Molecular weight, 1851
Molecular weight distribution, 1917
Molecular weight distribution/molar mass distribution, 1117, 2206
Monofilaments, 1337
Monolayer, 3459
Monomers, 991, 1249, 2246, 2333, 2959, 3305, 3723
Montmorillonite, 1692, 1857
Morphology, 12, 488, 518, 861, 905, 916, 954, 1053, 1108, 1113, 1206, 1319, 1463, 1565, 1655, 1670, 1941, 2027, 2111, 2276, 2400, 2801, 2887, 2919, 3107, 3512, 3811, 3848, 3876, 3912, 3973, 4038

n-alkanes, 739
Nano, 1053
Nanocomposite, 1058, 2316, 3239
Nanocomposites, 511, 525, 837, 1445, 1581, 1639, 1692, 1857, 1923, 2276, 2532, 2629, 3026, 3208, 3233, 3905, 4047, 4075
Nanodimensional alumina, 1058
Nanotechnology, 3625
4-(4′-N-1,8-naphthalimidophenyl)-1,2,4-triazolidine-3,5-dione (NIPTD), 2861
Natural abundance ^{15}N, 3872
Natural rubber, 297, 1227, 3835
Networks, 270, 310, 421, 577, 830, 933, 3481, 3569, 3856, 3951
NIR spectroscopy, 1273
N-isopropylacrylamide/poly(ethylene glycol) methylether acrylate gels, 1683
Nitrile rubber, 544
Nitrocellulose, 4000
NMR, 594, 1497, 2517, 2578, 3252, 4021
Nonequilibrium, 905
Nonwoven fabrics, 1331
NR/carbon black/CPE blends, 2583
Nuclear magnetic resonance, 886, 2955
Nucleation, 3503, 3957
Numerical simulation, 693
Nylon, 1716, 3503, 3512, 3928, 3973
Nylon 6, 2643
Nylon copolymer, 824
Nylon1212, 2040
Nylon-6, 3872
N-(2-hydroxypropyl)methacrylamide, 143

Oligomers, 1959
Oligo-2-hydroxy-1-naphthaldehyde, 442
Optics, 360, 729, 2997
Organoclay, 525, 3208, 3239
Organometalic catalysts, 963, 1148
Organophosphorus chemicals, 1885
Orientation, 729, 1932, 2740
Orthanilic acid (*o*-aminobenzene sulfonic acid), 2163
Oxidative polycondensation, 442
Oxygen-plasma etching, 1032
Ozawa method, 1678

Particle nucleation, 954
Particle nucleation, 1213, 3987
Particle reinforcement, 2268
Particle size distribution, 3767
PE/EPDM blends, 3087
Permanence, 3278
Peroxydisulfate, 3827
Pervaporation, 2255, 3374, 3912
Phase behavior, 1001, 1045, 1697, 2150, 2288, 2449, 2879, 3563
Phase diagrams, 1001, 2150
Phase separation, 292, 1001, 1486, 1697, 2428, 2997, 3676, 3822
Phase transfer catalysis, 830, 1255
Phenol, 482
Phenolic resin, 2316
Phenolic resins, 470, 1678
Phosphate glass–polymer hybrids, 3445
Phosphorylated, 97
Phosphorylation, 3165
Phosphosulfonation, 97
Photochemistry, 3093, 3459
Photodegradation, 297, 1009
Photoinitiators, 1096
Photopolymerization, 565, 837, 1096, 2021, 2364, 3753
Photoresist, 1032, 1153, 1156
Photoresists, 2293, 2969
Phototosensitizer, 297
Physical ageing, 2665
Physical properties, 544, 1604, 1991, 3059
Pigments, 3905, 3957
Plasma polymerization, 387, 1102, 2840
Plasma treatment, 1378
Plasticizers, 3037, 3278
Plastics, 959, 2959, 3683, 3790, 3994
PMMA, 3652
PMMA/PCL blends, 3652
Poly(ϵ-caprolactone), 671
Poly(1,3-thiazol-2-yl-carbomoyl) methyl methacrylate, 3244
Polyacetylene, 2255
Polyacrylamide-*g*-guar gum, 451
Poly(acrylamido sulfonic acid), 3347
Poly(acrylic acid), 2040, 2420
Poly(acrylic acid) (PAAc), 1384
Polyacrylonitrile, 1053
Polyamide 12, 344
Polyamides, 80, 360, 772, 1173, 2194, 2428, 2618, 3741, 3797
Polyamines, 799

Polyaniline, 497, 2460, 3730
Polyaniline composites, 2525
Poly(aralkyl maleimide), 1066
Polybutadiene, 72, 1026
Poly(butylene terephthalate), 2003
Polycaprolactone, 1589
Polycarbonate, 776
Polycarbonates, 1716, 2322, 2703, 2959, 3569
Polychelatogens, 1708
Poly(*cis*-1,4-butadiene), 2241
Polycondensation, 203, 215, 626, 1045, 3260
Poly(diallyldimethylammonium chloride) (PDADMAC), 1389
Polydimethylsiloxane, 233
Polydimethylsiloxane macrodiol, 1565
Poly(D,L-lactic-*co*-glycolic acid) (PLGA), 1846
Polyelectrolytes, 168, 316, 530, 765, 925, 1185, 1267
Polyepichlorohydrin, 671
Polyester, 197
Polyester diol, 257
Poly(ester imide ketone), 1045
Polyesterification, 982
Polyesters, 587, 1545, 1839, 1955, 2657, 2919, 3285, 3305, 3536
Poly(ether ester) elastomers, 3473
Poly(ether ketones), 2887, 2906
Poly(ether sulfones), 2887, 2906, 3631
Poly(etherimide), 1857
Polyethers, 861, 1255, 2485, 3093
Poly(ethyl acrylate), 671
Polyethylene, 681, 1515, 1609, 2120, 2130, 2139, 3107, 3299, 3359
Polyethylene glycol, 233
Poly(ethylene isophthalate) (PEI), 3076
Poly(ethylene oxide), 488, 594, 2955, 3032, 3922
Polyethylene (PE), 149, 559, 841, 1507, 1555, 1655, 2111, 2400, 2578, 2609, 3183, 3191, 3747, 4061
Poly(ethylene terephthalate), 1088, 1148
Poly(ethylene terephthalate) (PET), 3076, 3973
Poly(ethylene terephthalate) waste (PETW), 3437
Poly(hexamethylene oxide), 1565
Polyimide, 759, 786, 1906, 2010
Poly(imide amide benzimidazole), 1435
Polyimide composite, 1906
Polyimides, 399, 810, 2187, 2293, 2604, 3291
Polyisocyanurate, 3333
Poly(maleic anhydride-alt-acrylic acid), 1708
Poly(*m*-aminophenyl propionic acid) (PAPPA), 706
Polymer, 3222
Polymer blend, 671
Polymer concrete (PC), 991
Polymer crystallinity, 3445
Polymer films, 3424
Polymer hybrids, 3578
Polymer modified asphalts, 1772
Polymer supports, 3708
Polymer topology, 2648
Polymeric bitumen, 1347
Polymerization, 1088
Polymerization kinetics, 3987
Poly(methylmethacrylate), 2955
Poly(*N*-acryloyl,*N'*-cyanoacetohydrazide), 3354
Poly(*n*-butylisocyanate), 3594
Poly(*N*-isopropylacrylamide), 881, 3032, 3922
Poly(*N*-vinylcarbazole), 1058
Polyol, 3333
Polyolefins, 1655, 2469, 2475, 2578, 3087
Polyoxyethylene, 1393
Polyphosphoesters, 4021
Poly(propylene), 186, 352, 1447
Polypropylene, 3519
Polypropylene fibers, 729
Poly(propylene glycol) diacrylate macromer (PPGM), 1384
Poly(propylene) (PP), 143, 175, 853, 973, 1337, 1507, 1555, 1639, 2206, 3069, 3767, 3827, 3980
Polypropylene (PP), 1970, 3957
Polypropylene sutures, 3882
Polypyrrole, 49, 1058, 1113
Polypyrroles, 1783
Polysaccharide, 3115
Polysaccharides, 925, 2059, 2500, 3430, 4016
Polysaccharides fibers, 2870
Polysilazane, 306
Polysiloxane, 2879
Polysiloxanes, 306, 310, 421, 2021
Polystyrene, 609, 1126, 1412, 1421, 1427, 1507, 1618, 1692, 1923, 2053, 2469, 3037, 3708, 3987
Polystyrene modification, 1290
Polysulfides, 615
Polysulfone, 3374
Polytetrafluoroethylene (PTFE), 115
Polytrimethylene/butylene terephthalate, 2200
Polyurethane, 72, 1565, 2224, 2756, 2945, 3239
Polyurethanes, 257, 310, 963, 1185, 1233, 1357, 1497, 1948, 1959, 2310, 3222, 3488, 3617
Polyurethaneurea, 1565
Poly(vinyl alcohol), 2420, 2794, 3848
Poly(vinyl alcohol) (PVA), 716, 881, 1389
Poly(vinyl chloride), 3252, 3848
Poly(vinyl chloride) (PVC), 643, 916, 954, 1808, 3278, 3497, 3532, 3896, 3994
Poly(vinyl chloride) PVC, 4032
Poly(vinyl ethers), 137
Poly(vinylidene fluoride) (PVDF), 2150
Poly(vinylpyrrolidone), 3347
Polyvinylpyrrolidone (PVP), 1153, 1156
Porous particle, 2428
Positive-working, 2293
Powder coating, 287
Pressure-sensitive adhesives, 436
Proban®, 3165
Process control, 1273
Processing, 587, 1053, 2475, 3690
Processing behavior, 1873
Processing parameters, 1996
Property, 3333
Proteins, 716, 2840, 2848, 3546
Proton-conducting copolymers, 3347
PU anionomer, 3578
Pull-out, 2740
Pultrusion, 1996
PU/PBMA, 739
PVA, 3310
PVC membranes, 2433
PVC waste, 1347
Pyrolysis, 3165, 3252

Quaternary ammonium salt, 2879
Quaternized chitosan resin, 505
Quaternized polysulfones, 465

Radiation, 149, 1126, 1477, 1589, 3270, 3660, 3747
Radiation grafting, 2572
Radical polymerization, 72, 700, 853, 1018, 1532, 1648, 2053, 2083, 2179, 3115, 3244, 3299, 3563, 3690
Raman spectroscopy, 3417
Random copolymers, 2003
Rate constants, 3827
Reactive blending, 3402
Reactive extrusion, 344
Reactive processing, 1096
Reactor modeling, 1088
Recycling, 1148, 1624, 2475, 2959, 3536, 3588, 3723, 3994
Refractive index, 360, 729, 3285
Reinforcement, 2676
Relaxation, 759
Relaxation time, 3424
Renewable resources, 197, 2091, 2500
Resin, 1662
Resins, 203, 215, 251, 505, 700, 991, 1486, 1739, 1868, 2517, 2540, 2764, 3556, 3696, 3945
Resistivity, 3889
Resists, 261
Response surface methodology, 3059

Reverse osmosis, 1173
Rheology, 334, 482, 871, 1365, 1772, 1808, 1868, 1873, 2111, 2648, 2997, 3012, 3299, 3497
Rice bran oil, 4084
Rigid polyurethane foam, 12
Ring-opening polymerization, 2657
Rubber, 1, 261, 667, 1026, 1227, 1519, 2268, 2391, 2408, 2583, 2691, 2734, 3059, 3173, 3546, 3718, 3889, 4084

Sago starch, 2053
SAXS, 2276, 2400
SBS, 1772
Scanning electron microscopy, 544
Schiff base oligomer, 442
Screw configurations, 2503
Seed coating, 2855
Selectivity, 2441, 3912
Self-assembly, 2785
Self-crosslinking, 3609
Self-doped polyaniline, 2163
Self-organization, 2428
Semi-crystalline, 287
Semi-crystalline polymer, 2428
Sensors, 40
Separation of polymers, 1697
Separation technique, 3912
Separation techniques, 244, 1081, 2441
Sequence length, 2200
Shape memory, 3141
Shape-memory effect, 1589
Shear, 1932, 2997
Shear deformation, 3314
Shear stress, 1555
Shirasu porous glass (SPG), 3037
Short fibers, 2740
Short melamine fiber, 544
Short-chain branch, 722
Silane alkoxide, 1980
Silica hybrid, 1980
Silica-filled SBR compound, 3135
Silicas, 270, 799, 837, 2453, 3905, 4047
Silicas, thermoplastics, 2715
Silicon wafer, 436
Silicone rubber, 1038, 3402
Silicones, 658, 1378, 3780, 3889
Siloxane–arylidene, 3093
Simulation, 122
Simulations, 2377
Slip velocity, 1555
Sodium alginate, 451
Solid-state NMR, 3872
Solid-state polymerization, 1648
Solubility, 3652
Solubility parameter, 3912
Solution copolymerization, 227
Solution polymerization, 530, 1273
Solution properties, 583, 765, 1139, 1624, 2997, 3594
Solution viscosity, 465
Solvent casting, 1846
Solvents/nonsolvents, 2150
Sorption, 1389
Sorption isotherm, 1073
Soy oil, 3333
Soybean oil, 197
Space charge, 1864
Spectroscopic measurements, 155
Spectrum, 3424
Spin coating, 626
Spinning disk reactor (SDR), 693
—SS— groups, 3646
Stabilization, 1393, 3191, 3994
Starch, 3325
Steam, 4016
Step-growth polymerization, 2861
Stiffness, 1716
Stimuli-sensitive polymers, 143, 1139
Storage stability, 2027
Strain, 1298
Strength, 203, 215, 991, 3291
Stress, 1298, 3934
Structure, 497, 754, 1748, 1846, 2540, 2583, 3260, 3333
Structure–property relations, 186, 215, 609, 2310, 2583, 2648, 2938, 3390
Structure-property relations, 360, 1421, 1427, 1662
Structures, 1941
Styrene, 693, 1273
Styrene maleic anhydride copolymer, 2260
Styrene–acrylic acid, 2572
Sulfanilic acid (*p*-aminobenzene sulfonic acid), 2163
Sulfonation, 482
Sulfur-containing units, 2003
Superabsorbents, 1851
Supercritical carbon dioxide, 3876
Supercritical CO_2, 2040, 3652
Supports, 895, 1319, 1398, 2684
Surface modification, 2433
Surfaces, 387, 754, 1378, 1748, 1959, 2415, 2453, 2801, 3609, 3617
Surfactants, 2066, 2091, 3625
Suspending agent, 3848
Suspension copolymerization, 3037
Suspension polymerization, 458, 3848
Swelling, 91, 168, 488, 530, 1384, 1398, 1609, 2241, 2348, 3020, 3032, 3100, 3115, 3310, 3481, 3652, 3741, 3811, 3912, 4009, 4016
Syndiotactic, 227
Synthesis, 511, 609, 819, 1453, 1565, 2293, 2337, 2657, 3150, 3291, 3354, 3556

Tackiness, 2027
Telechelics, 72
Temperature and load effects, 3882
Temperature effect, 3889
Temperature modulated differential scanning calorimetry, 681
Temperature rising elution fractionation (TREF), 722
Templates, 1081, 1846
Tensile property, 3882
Tensile strength, 792
Tensions, 186
Tetrakis(hydroxyl methyl) phosphonium condensate, 3165
TG/DTA, 2794
Thermal analysis, 3354
Thermal decomposition, 3594
Thermal properties, 72, 105, 251, 270, 310, 430, 497, 706, 754, 881, 1393, 1731, 1739, 1857, 1991, 2288, 2604, 2775, 2824, 2945, 3093, 3107, 3122, 3244, 3260, 3278, 3347, 3409, 3594, 3631, 3696, 3922, 3994
Thermally stable, 1435
Thermodynamic interaction parameter, 671
Thermodynamics, 947, 1697, 3305, 3437
Thermogravimetric analysis, 963, 3359, 3488
Thermogravimetric analysis (TGA), 412, 635, 947, 1227, 1783, 2337, 2721, 2861, 3157, 3233, 3631
Thermomechanical polyethylene, 3402
Thermoplastic, 1565
Thermoplastic elastomer, 3402
Thermoplastic elastomers, 518, 3473
Thermoplastics, 1148, 2503, 2604, 2676, 3928
Thermosensitive, 2214
Thermoset, 2532
Thermoset resin, 1596
Thermosets, 1486, 1830, 2517, 2665, 2740, 2764, 3012, 3928
Thin films, 626, 1102, 3459
Thiocarbamyl sulfenamide, 3835
Thiolation, 594
TiO_2, 2848
Toughening, 1290, 1596, 2260
Toughness, 916, 1497, 2130, 2643, 3384, 3767
Transition metal chemistry, 1515, 2684
Transitions, 4000
Transmission electron microscopy, 2348
Transmittance, 3563
Transparency, 3020

Ultrasonic degradation, 3526
Ultrasonic oscillations, die material, melt viscosity of metallocene-catalyzed linear low density polyethylene, 1873
Ultrasonics, 559
Ultrasound, 2449
Uniaxial fabric, 1604
Uptake kinetics, 1073

Urethane acrylate, 458
UV curing, 287, 436
UV stability, 3473
UV-vis spectroscopy, 583
UV-VIS spectroscopy, 3417
UV-vis-spectroscopy, 1102

Vinyl acetate, 537
Vinyl acetate-butyl acrylate copolymer, 2525
Vinyl ester, 1486
Viscoelastic properties, 559, 1298, 1868, 2453, 3753, 3882
Viscosity, 33, 765, 1153, 2861, 3051, 3314, 3488
Votalile management, 1906
Vulcanization, 871, 1519, 2391, 3173, 4084
Vulcanizing system, 1539

Waste, 1365, 2059, 2503, 2959, 3536
Waste EPDM/PP blend, 2503
Water absorbency, 1851
Water dispersibility, 1058
Water uptake, 3856
Waterborne polyurethane, 233, 3325
Water-borne polyurethanes, 2045
Waterproofing, 1347
Water-reducible acrylate copolymer, 3578
Water-soluble polymer, 1139
Water-soluble polymers, 227, 316, 1471
WAXS, 2938, 3026
Weibull distribution, 3638
Wettability, 1331
Worn surface, 667

X-ray, 3260, 3488
X-ray diffraction, 1708
XRD, 2794

Yielding, 916, 3934

Zeolite, 352
Zeolites, 1574, 2441, 3069
Ziegler–Natta polymerization, 1463, 3980
Zinc oxide, 1053
Zinc oxide whisker, 667